FOR MYSORE STATE

4-1-52.

Public (C.P.Audit) (1953) Department.

SERIES.

G.O. NO. Ms. 696

Dated 18-3-1953.

Passed
6/3/53
Superintendent

G.o at. f 9 of

[Despatch Abstract.]

Community Projects - South Kanara District - Communications - Construction of 6 culverts on the Haleangady - Pakshikere road - Estimates sanctioned.

In Rangalore Packet

5374

Ref.C.No.238/52. Office of the Project Executive Officer,
South Kanara, Mangalore Dt. 4-1-1953.

From

Sri G.Simhadri, B.A.,
Project Executive Officer,
Mangalore.

ACCOUNTS & SPECIAL OFFICER
(COMMUNITY PROJECTS)
9 JAN 1953
PUBLIC (C. P.) DEPARTMENT
MADRAS

To

The Director of Community Projects and
Ex-Officio Secretary to Government,
Fort St.George, Madras 9.

.....

Sir,

COMMUNITY PROJECTS - South Kanara District - Communications - Haleangady Pakshikere Road.

.....

I submit herewith an estimate in duplicate for Haleangady Pakshikere road with 4 small culverts and 1 culvert of 3 vents. The total estimate is for rupees 22,900/- ~~The amount set apart is as follows:-~~ Details are as follows:-

Road	.....	Rs. 12,800/-
Culverts	.....	Rs. 10,100/-
Total..		Rs. 22,900/-

The villagers are contributing ~~the~~ entire cost of the formation of the road. The Community Project has to construct the culverts.

This road passes through Haleangady, Thokur, Kemral, Koikude and Talepady. This is one of the frequented roads which requires to be attended to immediately. The village committee and the Project Advisory Committee have recommended taking up this work during 1952-53. The villagers have already taken up the work and constructing the road from Haleangady to Pakshikere. The owners of lands through which the road passes, have permitted the village committees to take the road through their lands. The value of the land gifted, has been estimated to be Rs. 1,250/- It is included in the estimate for the road. As the work is urgent and has already been commenced, it ~~will~~ may be sanctioned immediately. The work of culverts costing about rupees 10,100/- will be taken up ~~by~~ as per Rs. cost D by the Community Projects and the villagers are

Public (C.P.II) Deptt

587/53.

Memo No. 587 Public (C.P.II) Dept./53-1 D. 16.2.53

Sub- Community projects- South Kanara District. Estimate for improvements to Halaingady Pakshikere road- ~~Returned with remarks~~

Ref- From the P.E.O. Mangalore Ref C No 238/52 D. 4 1/53

The estimate and plans for the work of Improvements to Halaingady, Pakshikere, Punar road, are herewith returned for revision on the following lines.

(1) The site plan should show the position of all the culverts proposed. ~~(2) The location of~~ the villages mentioned in the report ~~should also be noted. Now the plan shows only the position of the 3 feet culvert and some of the villages.~~

(2) The Longitudinal section Sheets:— The proposed gradient of the road between sections should be noted. If the road runs level, the fact also should be noted. The exact chainage of the position of the culverts may be noted as well as that of the cross sections. The gradient of the road between chainage 4600 to 5000, may be altered as marked in pencil to avoid a sloping embankment. The scale of the Longitudinal section should be noted as H- 1/2000 and V- 1/200 and not as it is now done. The scale of the cross sections is presumed to be 1/100 natural, since this has not been noted anywhere. The formation level at C.S. at 1770 is noted as +67:00 whereas the L.S. shows +66:50. The cross sections should be correctly plotted and more cross sections may be added. The purpose of the Cross sections is to design the formation and to calculate the earthwork involved. But the earthwork has not been calculated on the basis of the Cross sections. The areas of cutting or embankment for each cross section should be noted and the earthwork calculated from cross section to cross section. Such a procedure will result in a better design only. Necessary certificate of levels and reference to bench marks may be appended to the ~~L.S. and C.S. Sheets~~ Longitudinal and Cross section sheets.

(3) Site plan of proposed culvert of 3 vents:— It is seen that the

A Cross section should be furnished for the sides of each of the culverts. The pipe culvert may be estimated separately as items as the head walls, revetment etc will vary with the height of embankment at the site. It should be reported as to where from the pipes for culverts are to be obtained. If local pipes manufactured by any firms are to be got, the quality should be certified. It is presumed that by hume pipes the P.E.O means R.C.C pipes of local manufacture. The exact rate per running foot of pipe should be ascertained & shown in the estimate together with Cartage and fixing charges. It may also be considered whether the masonry for head walls etc may not be of R.R. masonry in Cement mortar 1:4, instead of C.R. masonry 2nd Sort.

(5) The 3 vent culvert:— A line of levels along the Stream for a furlong on either Side of the Site with a Cross section each above & below the Site should be furnished. The H.F.L (approx) Highest flood level (approx
& these Cross sections may be noted thereon. This will help decide whether the venturay provided is Sufficient, rather than depend on the reported Catchment, which cannot be checked.

(6) A thickness width of 0.4 h for the bottom of abutment abutment may Suffice dimensions of masonry may be altered suitably as also the th of Concrete in foundations. The piers may be of 2' ~~width~~ Thickness rough est. & the foundation Concrete for the same may be 3-0" wide 1-6" thick. The abutments piers and parapet can be of random bble masonry. The reason for preferring ~~preference~~ Coursed rubble 2nd Sort uld be Stated, if the masonry is to be of Coursed rubble. The vent can have Splayed wings instead of the box type. This save masonry. The Cross section of the Stream Stands at Site, Showing bed levels and the H.F.L Should be noted in & Sluice Culvert Longitudinal section of the culvert.

Returned by P.E. 17-2-53

To The P.E.O. Mangalore (with enclosures). (RD 15 days)

-53
2/1/53

16/1/53

The estimate has to be revised on the above lines, with additional information required. Technical Sanction can be accorded after receiving these lines. The draft memo may please be approved

Ref/C no. 238/52-B

Community Projects Officer, Mangalore
Dated 5-3-53

4467

ASSISTANT SPECIAL OFFICER, (COMMUNITY PROJECTS), 7 MAR 1953 PUBLIC (C. P.) DEPARTMENT MADRAS

To
Sri. G. Sankara Rao B.A.,
Special Executive Officer
Shiva Kanara
Mangalore

To
The Director of
Community Projects and
Ex-Officio Secretary to Government
Fort St. George
Madras-9.

Sir,

Community Projects.. Sanction Rs. Estimate for improvement to Malleangady Pakshikere Road - Submitted

Ref:- Govt. Memorandum no. 5-87 Public (CP) II/53-1 dated 16-2-53.

Op. p3-4 ante

I herewith herewith the estimate for improvement to the Malleangady-Pakshikere Road after getting the defects pointed out in the Government Memo cited, through the Junior Engineer. His reply dated 5- as the defects pointed out may kindly be perused

6

for Rs 19130/- out of which Rs 12800/- is for the earthwork and the balance of Rs 6330/- is for the culverts. As already reported, the villagers are constructing the road and the expenditure on the culverts is to be borne by the Community Project. The estimate may kindly be sanctioned for Rs 6330/- and returned to me urgently

Project Executive Officer S-3

Encl
S/3

Enclosure
Estimate in duplicate.

From,

P. Bhagwandas Rai A.A.B.E.
Junior Engineer
Community Project
Mangalore.

To,

Project Execution
officer
Community Projec
Mangalore

21.5-3-53.

Sir, Ref. Memorandum No. 5867 - Public -
(C P) II / 53-1 D/ 16-2-53.

The estimate for improvements
to the Haleyangadi - Pakshikere - Bunda
road is h/w resubmitted after
attending to the remarks.

1) The proposed culverts and the villages
are now marked in the site plan.

2) Since the entire road is being
done by the villagers; the estimate
for the road work is only rough
and the earthwork was not calculated
on the basis of the cross section but
only rough figures arrived at. Hence
the L. S. ~~sheets~~ and C. S. sheets are now
deleted from the estimate now submitted

3) As shown in the site plan there
is a ~~one~~ a manual irrigation channel
supplying water for the 2nd crop a
little higher up the road and it
cannot be diverted by the culvert of 3
vents whose bed level is much lower.

4) Separate estimates are now made
for the pipe culverts & the estimates now
provide head walls though in the

with toe wall was adopted with ~~out~~ an L.S. provision for any extra height of revetment. The practice in the highways department in S. Kenara is to adopt C.R. masonry for culverts but however with due regd to economy Random rubble masonry in C.M. 1:4 is now adopted as suggested. The pipes proposed are Hume pipes which is a trade name for the ~~Ind~~ pipes manufactured by ~~the~~ the Indian Hume pipe Co. Limited. & the pipes are being largely used by the highways and P.W.D. The pipes are covered by I.S.D. orate contract a copy of which is enclosed. Rates for R.ft. have now been worked out.

5) A line of levels along the stream with a cross-section up-stream and another down stream are now furnished and the waterway is designed accordingly.

6) All the instructions have been followed in the estimate now submitted.

Encl. Est. in duplicate

B Bhagwandas Rao
I.E.
5/3/53.

Pub (Cl. Audit) Dept.

G.O. Ms. 696 dated 18-3-1953.

Abstract- Community Projects - South Kanara district - Communications - Construction of 6 culverts on the Halegadgy - Pakshikere road - Estimate Sanctioned

Read - From the PEO Mangalore - Ref. C No. 238/52. dt. 24-1-53

~~From the PEO Mangalore. Ref C No. 238/52-13. dt. 5-3-53~~

~~Govt~~ memo No 587 Pub(CP II)/53-1 dt. 16-2-53 From the PEO. Mangalore Ref. C.No. 238/52-B2 dt 5-3-53

Orders -

Sanction is accorded to an expenditure not exceeding Rs 6280/- (Rupees Six thousand two hundred and eighty only). for Constructing Six culverts as detailed below on the road from Halegadgy to Pakshikere, now being laid by the villagers at their own cost.

S.No.	Mileage of road	Details of culvert.	Estimated cost.
1.	0.M. 1.F.	2 ft. diameter pipe culvert	Rs 500
2.	1.M. 4F.	2 ft. diameter pipe culvert	Rs 600
3.	1.M. 4F.	3 Culverts of 3 Spans	Rs 4000
4.	2M. 5.F.	2 ft. diameter pipe culvert	Rs 600
5.	2.M. 7-8F.	1 ft. diameter pipe culvert	Rs 290
6.	2.M. 7-8F.	1 ft. diameter pipe culvert.	Rs 290
		Total	Rs. 6280/-

2. The expenditure is debitable to "63B. Community Development projects - II Community Projects - f. Communications - Culverts."

The P.E.O Should get the works executed according to the approved plans and estimate herewith ~~Govt~~ returned and Submit a Completion report to Govt in due course

By Order
12.3.53

G 16/3/53. CO 17/3/53

To The P.E.O. Mangalore (with enclosures)
A.G (Madras)
Copy to Pub (Cl. Tech) Dept
" Pub (Cl. Tech.) Dept.
S/F Reading and Sanction S.F
CB. 3 months.

Entered C.B.

16-3-53

Improvements to Valliyamgadi - Perkulathu Paruvan village road ~~cost~~ construction of culverts. Est Rs 10/= 6280/.

There is a cart track running from 14/2 of Mangadan - Nilambur road and joining the Nilambur Kurumgodi road at 13/6. the length being 3 miles. The road is mostly used now as it is an old one repair and is very uneven at many places and passes through wet fields near Valliyamgadi and is unfit for motor traffic in the monsoons. The cart track passes through the five villages of Valliyamgadi, Kakkan, Karkadi, Kunnad, and Kalipady and will be used very much when the proposed improvements are carried out. Besides it is a short cut from Valliyamgadi to Kurumgodi as can be seen from the key plan and may be developed later on into a jeepable road. It is learned that very good co-operation from the villagers is expected.

General: The present proposal is to widen the existing road to a width of 18'-0" with suitable drainage. There are cuttings at some places to ease the gradient and the road is to be on embankment at other places. Namely in the fields of Valliyamgadi & near the proposed culverts. Also

besides 3 thousand pipe culverts of 2'-0" dia and 2 thousand pipe culverts of 1'-0" dia and a number of paved drops three pipes from the Indian three pipes Co. Foundations are proposed to be used as some contribution is expected from the Valliyangadi Panchayat owned for the road work. The estimate for that village is included as a part work.

Road in Valliyangadi village.

It is proposed to raise the road level by an average height of 2'-6" to keep it at least 6" above the fields on the right hand side and also to paved the sides of embankments. Earth has to be cut from the hill side and brought by an average distance of 1 furlong and provision has been made in the estimate for this. Afterwards the road runs through a hill and has to be widened. The total length of the road in the village to be 2400.

Road in Kodumudi, Thonnur, Kanhirod and Kalipadi villages

Now also the road has to be widened & proper drainage provided for. Only at a few

Hume pipe culvert 2'-0" dia in 0/1 51

13

One culvert in masonry in 0/1 for drainage. the field works. It is proposed to build a head wall 3'-0" high 2'-0" wide in R.R. masonry C.M. 1:4. the depth of foundation proposed is 2'-6" with 3'-0" wide & 1'-6" thick of concrete 1:4:8 and 2'-0" wide & 1'-0" high of R.R masonry. the parapet proposed is only a small wall 1'-6" x 0'-9" as shown in plan. Provisions have been made for 2'-0" dia Hume pipe with collars, rough stone dry packing, earth cushion any unforseen additions & petty supervision charges.

Hume pipe culvert 2'-0" dia in 1/4

One culvert near the culvert of 3 spans is necessary in 1/4 for an irrigation channel. It is proposed to have 18'-0" width of road here since the road is in embankment here. The head wall proposed is R.R. masonry in C.M. 1:4 in 4'-0" high & 2'-0" wide. the depth of foundation proposed is 2'-6" with 3'-0" wide and 1'-6" thick of concrete 1:4:8. and 2'-0" wide & 1'-0" high R.R. masonry 1:4. The other provisions are as in the above estimate.

Hume pipe culvert 2'-0" dia in 2/5

One hume pipe culvert 2'-0" dia is proposed for a hill drain. 20 ft

and 2'-0" wide. The depth of foundation proposed as 2'-6" with 3'-6" wide & 1'-6" thick of concrete 1:4:8 and 2'-6" wide & 1'-0" high R.R. in C.M. 1:4. The other provisions are as in the above estimate

Levine Jafri culverts 1'-0" dia in 7/8 (2 Nos)

One Levine Jafri culvert is required for an irrigation channel crossing another for the road drain within 300 30 feet of each other in the proposed road. The head wall proposed for both is of R.R. masonry in C.M. 1:4. 3'-0" high & 2'-0" beside The depth of foundation proposed is 2'-6" width 3'-0" wide & 1'-6" thick concrete 1:4:8. and R.R. in C.M. 1:4. 2'-0" wide & 1'-0" high. The other provisions are as in the above estimation

Culvert of 3 vents 5'-0 x 2'-6" in 1/4 at Palakudiyan

The stream bed has no defined bank near the proposed culvert and due to projecting rock boulders the flow of water is impeded at present. It is proposed to blast the rock (which can be used for construction work) and provide a clear waterway. The

Hence a roadway of 30 ft. is likely to be sufficient in designing the culvert. The height of roadway is limited to 4'-8" owing to the undesirability of having the approach road at too high an embankment. Hence the total width of roadway required is $\frac{60'}{4}$ or 15 R.ft. Three vents of 5'-0" will be suitable. The bottom of vents is kept 0'-6" above M.F.L. Hence 3 vents of 5'-0" x 4' 6" are adopted.

The foundn. proposed is 2'-6" deep from depth of bed level. At one place also rock was met with, in which case during execution the rock will be benched and 1'-0" thick levelling course of concrete 1:3:6 will be laid. Otherwise where hard ground with mid width 2'-0" thick concrete will laid as in plan. The width of bottom of abutment will be 4 ft. and the top 2'-0". Random rubble in C.M. 1:4 is proposed for bottom abutment and pier with a 6" layer of concrete 1:3:6 at top. But above slab 0'-8½" as per S.E (10) elevation is proposed with 1'-3" parapet 2'-6" high including coping & pilasters 1'-6" x 1'-9". With a view to economy random rubble in C.M. 1:4 is adopted instead of C.R. masonry.

Provisions are also made for

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day premium for recruitment, guard & share of bunk mine formation made for hiring conveyance dues & for petty supervision charges.

The value of the stored works is 12,800/- and that for the culverts is 6,330. and the general total 19,130/-

P. Thangavelu Chetty 3/3/53
I.E

LEAD STATEMENT.

19 55

For culverts

1.	Granite stone.	At site 1 furlong head load.
2.	Sand.	Pavanje river bed ½ mile by head load.
3.	Cement.	Mangalore. 14 miles 2 furlongs metalled road plus 1 mile 4 furlongs cart track.
4.	Hume pipe.	Coimbatore 249 miles Rail + 14 m. 2 flg. metalled road + 1 m. 4 flg. cart track.

Road work

Granite stone. ½ mile by head load from the side of road.

Certified that the leads adopted are nearest and correct to the best of my knowledge.

6/1/55

Junior Engineer (C.P.)

P.W.D. V-39—57,603—4-4-51.

Data sheet to accompany the estimate for ~~Improvements to~~ Haleangadi Pakshikere-Punar village road and construction of a culvert at Pakshikere.

Quantity.	Description of work.	Rate. Rs.	A.	P.	Per	Amount. Rs.	A.	P.	Total.
	Road work.								
	1. Earthwork excavation in ordinary Gravel etc. S.7. 20 B.	18	14	0		18	14	0	18-14-0
2. 1000 C. Ft.	-do-	18	14	0	1000 C.Ft	18	14	0	
-do-	30 leads	1	2	0	lead	33	12	0	
						52	10	0	52-10-0
3. 1000 C. Ft.	-do-	18	14	0	1000 C.ft	18	14	0	
-do-	20 leads	1	2	0	lead	~~22~~	~~8~~	~~0~~	
						~~30~~	~~2~~	~~0~~	~~30-2-0~~
						41	6	0	41-6-0
4. 1000 C. Ft	-do-	18	14	0	1000 C.ft	18	14	0	
-do-	10 leads.	1	2	0	lead	11	4	0	
						30	2	0	30-2-0
5.	Earthwork excavation in hard gravel 13 ft	21	6	0	1000 C.Ft	21	6	0	21-6-0
6.	-do- soft laterite 17 ft	23	14	0	"	23	14	0	23-14-0
7	- do - ordinary soil	10	14	0	"	10	14	0	10-14-0
8.	Rough stone dry packing for revetment and aprons.								
110 C.Ft.	Rough stone	16	0	0	100 C.Ft	17	9	7	
1 No.	Wodder	3	0	0	each	3	0	0	
3 Nos.	Man Mazdoor	1	8	0	"	4	8	0	
2 Nos.	Woman mazdoor	0	12	0	"	1	8	0	
110 C.Ft.	Lead for stone ½ mile cart track	4	11	0	100 C.Ft.	~~5~~ 6	~~2~~ 3	~~6~~ -	
		+0	15	0					
	Sundries					0	3	5	
						~~33~~	0	0	~~33~~-0-0
8. each	Mile stone 5'-0" x 1'-6" x 0'-6" S.T.29	20	0	0	each	20	0	0	20-0-0
9. each	Furlong stone 2'-9" x 0'-9" x 0'-4" S.T.30	3	12	0	each	3	12	0	
	Culverts.								
1000 C.Ft.	1. Earthwork excavation in hard gravel S.T.14A.	21	6	0	1000 C.ft	21	6	0	21-6-0
2)	- do - ordinary gravel	18	14	0	"	18	14	0	18-14-0
	2. Concrete broken stone 1½" size in C.M 1:3:6								

P.W.D. V-39—57,603—4-4-51.

Data sheet to accompany the estimate for_____

Quantity.	Description of work.	Rate. Rs.	A.	P.	Per	Amount. Rs.	A.	P.	Total.
50 C.ft.	Sand	2	8	0	100 C.Ft.	1	4	0	
50/3 C.Ft.	Cement.	~~90~~ 87	~~0~~ 8	~~0~~ 0	Ton	~~60~~ 58	~~0~~ 5	~~0~~ 4	
1/2No.	Mason	3	2	0	each.	1	9	0	
50 C.Ft.	Mixing mortar	4	8	0	100 C.Ft.	2	4	0	
5 Nos.	Man mazdoor	1	8	0	each	7	0	0	
4 Nos.	Women mazdoor	0	12	0	"	3	0	0	
100 C.Ft.	Lead for broken stone 1 flg. head load	3	10	0	100 C.ft	3	10	0	
50 C.ft.	Sand ½ mile head load	10	14	0	"	5	7	0	
50/3 C.Ft.	Lead for cement 14/2 lorry plus 1M.4 Flg. cart track 25-12-6+ 19-0-0 ~~+0-7-0-6~~ 25-12-6+19-0-0+3-8-3+0-11-3 Sundries	~~49~~ ~~51~~	~~0~~ ~~12~~	~~0~~ 0		~~8~~ 0 ~~8~~ 0 0 ~~0~~ 3	~~2~~ 6 ~~10~~ 8	~~7~~ 1 ~~2~~ 10	113/8/0 ~~114~~/-
						~~115~~ 114	0 8	0 0	~~115~~/-
3.	Coursed rubble 2nd sort in C.M.1:5				100 C.Ft.				
50 C.Ft.	C.R.stone including bond stone	28	0	0	100 C.ft.	16	12	6	
50 C.ft.	rough stone	16	0	0	"	8	0	0	
32 C.ft.	Sand	2	8	0	"	0	12	10	
32/5	Cement	90	0	0	ton	23	8	0	
7 Nos.	Masons 1st class	3	2	0	each	21	14	0	
4 Nos.	Men mazdoor. ~~4-Nos.-Women-mazdoor~~	~~0-12-0-~~ 1-8-0			"	6	0	0	
4 Nos.	Women mazdoor	0	12	0	"	3	0	0	
32 C.Ft.	Mixing mortar	4	8	0	100 C.Ft.	1	7	6	
110 ~~10~~ C.Ft.	lead for stone as above.	3	10	0	"	3	15	10	
32 C.Ft.	lead for sand as above.	10	14	0	"	3	7	8	
32/5 C.Ft.	Lead for cement as above.	51-	13	0	"	3	5	1	
	Sundries					0	12	7	
						93-0-0			93/-
4.	Stone slabs for culverts				1 C.Ft.				
1 C.Ft.	as per S.T.27 A.	3	8	0	1 C.ft.	3	8	0	
"	Lead per stone as above.								

P.W.D. V-39—57,603—4-4-51.

Data sheet to accompany the estimate for_____

Quantity.	Description of work.	Rate. Rs.	A.	P.	Per	Amount. Rs.	A.	P.	Total.
5.	Coursed rubble 1st sort in C.M.					1:6	1	00	C.Ft.
110 C.Ft.	Stones in S.S.1st sort	38	0	00	100 C.Ft.	41	9	7	
28 C. Ft.	Sand	2	8	0	"	0	11	2	
~~42/3~~ 4 1/3 C.Ft.	Cement.	90	0	0	"	16	12	10	
10 Nos.	Mason 1st class	3	2	0	each	31	4	0	
4 Nos.	Men mazdoor.	1	8	0	"	6	0	0	
4 Nos.	Women mazdoor	0	12	0	"	3	0	0	
110 C.Ft.	Lead for stone as above.	3	10	00	100 C.Ft.	3	15	10	
28 C.Ft.	Lead for sand as above.	10	14	0	"	3	9	9	
~~42/3~~ 4 1/3 C.Ft.	Cement lead as above.	51	13	0	"	2	6	8	
	Sundries					0	3	2	
	Total					109	0	0	109/-
5.)	Guard stone 3'-6" x0'-9" dia. lead as above.	10-9-0			each	10	9	0	
						0	1	0	
									10-10-0
6.)	Rough stone dry packing for revetment							100	C.Ft.
100 C.Ft.	Rough stone	16	0	0	100 C.ft.	17	9	7	
1 No.	Wodder	3	0	0	each	3	0	0	
3 Nos.	Man mazdoor	1	8	0	"	4	8	0	
2 Nos.	Women mazdoor.	0	12	0	"	1	8	0	
110 C.Ft.	Lead for stone as above.	3	10	0	"	3	15	10	
	Sundries					0	6	7	
						31	0	0	31/-

Certified that the leads adopted in this data are nearest and correct to the best of my ~~knowledge~~ knowledge.

Bhagwan Das Rai
6/1/53
Junior Engineer
(C.P.) S.K.

P.W.D. V-39—57,603—4—51.

Data sheet to accompany the estimate for_____

Quantity.	Description of work.	Rate. RS.	A.	P.	Per	Amount. RS.	A.	P.	Total.
	Sub Head								
	Second machine [illegible]								
100 cft	Second					2			
100 cft	Second	27	10	0		27	5	0	
100 cft	Second local [illegible]					10		0	
25 cft	Second hard [illegible]	49	0	0		12	4	0	
100 cft	[illegible]					4			
	Sundries					0	6	0	
						118	0	0	
7)	Concrete [illegible]								
	1:4:8								
100 cft	Rubble [illegible]	22	0	0		22	0	0	
50 cft	Rubble 1:4	118	0	0		59	0	0	
½ No	Masons	2	12	0		1	6	0	
5 Nos	Men Mazdoor	1	5	0		7	5	0	
4 Nos	Women mazdoor	0	12	0		3	0	0	
100 cft	Local [illegible]	3	10	0		3	11	0	
	Sundries					0	5	0	
						97	0	0	97/
8)	Random rubble								
100 cft	Random rubble (Superior class)	15	0	0	100 cft	17	4	7	
3 40 cft	Random 1:4	118	0	0		40	1	11	
5 Nos	Masons 1st class	3	2	0		17	10	0	
4 Nos	Men Mazdoor	1	5	0		6	0	0	
4 Nos	Women mazdoor	0	12	0		3	0	0	
110 cft	Local for mortar	3	10	0	100 cft	3	13	10	
	Sundries					0	2	8	
						86	3	-	86-8-0

Data sheet to accompany the estimate for——————

Quantity.	Description of work.	Rate. RS.	A.	P.	Per.	Amount. RS.	P.	Total.
4)	Supplying & fixing							
	do at each under							
48.2 ft	Cost of 1'-0" dia	3	7	0	Rft	406	0	0
	Right (over 3'-0" dia)							
5 Nos	collars 2'-0" dia	4	9	0	each	22	15	0
30 ft	Handling charges (Pond & all)	0	14	0	Rft	21	0	0
11	Lay freight for pipes Cement mortar 1:2 in sockets	0	10	0	Rft	50	0	0
11	Handling charges at Manglatur (Godown)	0	4	0	Rft	20	0	0
6480 lbs	Lead for joints	11	0	0	cwt	71	5	2
48 Rft	Fixing charges	0	4	0	Rft	12	0	0
	Sundries & spl reds for main standards Rings					9	12	10
						100	0	0
	Rate per Rft	2.05 RS				12	10	0
10)	Supplying & fixing							
	do at each under							
96 Rft	Cost of 1'-0" dia							
	Lime per Rft (16 Nos 6 ft dia	2	12	6	Rft	261	0	0
15 Nos	collars 1'-0" dia	1	8	0	each	22	8	0
70 Rft	Handling charges at Rs 1 ton	0	4	0	Rft	17	8	0
70 Rft	Lay freight on abv	0	6	0	Rft	43	12	0
	Cartage at Manglatur	0	2	0	Rft	17	8	0
5760 lbs	Conveyance with on cartage	11	0	3	ton	63	7	3
96 Rft	Fixing charges	0	6	0	Rft	35	4	0
	Sundries including							

P.W.D. 7.—88—1,54,860—30-6-[illegible]

Data sheet to accompany the estimate for

Quantity.	Description of work.	Rate. Rs.	A.	P.	Per.	Amount. Rs.	A.	P.	Total
	11) Filling in with excavated earth & well consolidating for [illegible]								
1000 c.ft	Earthwork [illegible] 5 7 26.	10	0	0	1000 c.ft	10	0	0	10/-
1000 c.ft	12) Earthwork excavation for embankment in ordinary [illegible] including all leads & lifts, breaking clods & consolidating the [illegible] formation [illegible] and [illegible] (For [illegible] of [illegible] work) Earthwork in [illegible] soil in ordinary [illegible]	15	0	0	1000 c.ft	15	0	0	
1	Lead for earth 1/2 Mile [illegible]	1	0	0	1000 c.ft	15	0	0	
1000 c.ft	[illegible] Extra lead in [illegible]	0	8	0	1000 c.ft	1	0	0	
						30	0	0	30/-

Earthwork used for [illegible] embankment as measured by [illegible] test of [illegible]

[illegible] 5/3/26

DETAILED ESTIMATE.

DS / 63

41. SOUTH KANARA.
Taluk - Mangalore.

No. (1)	Details of work. (2)	No. (3)	L. (4)	B. (5)	D. (6)	Area of contents. (7)	Total. (8)
	Road work. In Haleangady village.						
1.	Earthwork excavation in all soils.						
	From 100' to 1200'. Cutting to raise road level.	1	1100'	18'-0"	2'-6"	49500	
	Cutting 1700 to 2000	1	300'	10'-0"	4'-0"	12000	
	-do- 2000' to 2300'	1	300'	10'-0"	3'-0"	9000	
	Drains and catch drains.	1	2400	2'-0"	1'-0"	4800	
						75300	76000*
2.	Rough stone dry packing for revetment L.S.	* In ordinary soil 10,000 In ordinary gravel 60,000 In hard gravel 6,000					
	Road work. In Koikude and Thokur villages.						
	Earthwork excavation in all soils.						
	From 2800 to 3100	1	300'	10'-0"	0'-6"	1500	
	From 3100 to 3400	1	300'	20'-0"	2'-0"	12000	
	From 3400 to 4200	1	800'	11'-0"	0'-6"	4400	
	From 4200 to 4700	1	500'	5'-0"	1'-0"	2500	
	From 4700 to 49 00	1	200'	20'-0"	2'-0"	8000	
	From 4900 to 5400	1	500'	10'-0"	4'-0"	20000	
	From 5400 to 5500	1	100'	20'-0"	1'-0"	2000	
	From 5500 5700 to 5800	1	100'	10'-0"	3'-0"	3000	
	From 5900 to 6600	1	700'	5'-0"	4'-0"	14000	
	From 6600 to 6900	1	300	8'-0"	4'-0"	9600	
	From 7000 to 7100	1	100	15'-0"	5'-0"	7500	
	From Cutting for filling near culvert	1	250	20'-0"	4'-0"	20000	
		1	700	6'-0"	3'-0"	12600	
	From 7600 to 8300	1	100	22'-0"	0'-6"	1100	
	From 8550 to 8650	1	250	10'-0"	1'-0"	2500	
	From 8650 to 8900	1	300	10'-0"	2'-0"	6000	
	From 8900 to 9200	1	400	22'-0"	4'-0"	35200	
	From 9600 to 10000	1	700	10'-0"	1'-0"	7000	
	From 10,000 to 10,700	1	600	5'-0"	1'-0"	3000	
	From 10,700 to 11,300	1	200	22'-0"	2'-0"	8800	
	From 11,300 to 11,500	1	200	22'-0"	1'-0"	4400	
	From 11,700 to 11,900	1	800	10'-0"	1'-0"	8000	
	From 11,900 to 12,700	1	200	22'-0"	4'-0"	17600	
	From 13,000 to 13,200	1	1000	10'-0"	1'-0"	10000	
	From 13,200 to 14,200	1	1500	10'-0"	2'-0"	30000	
	From 14,200 to 15,700	1½	13000	2'-0"	1'-0"	39000	
	Drains	½	13000	2'-0"	1'-0"	13000	
	Catch drains.					3,02,700	3,03,000
			Total.			10,000	10,000
1.	Earthwork excavation in hard gravel say.					50000	50000
2.	-do- soft laterite					10000	10000
3.	In ordinary gravel 303000-70,000					2,33,000	2,33,000
4.	Providing furlong stones.	21				21	21 Nos.
5.	-do- mile stones.	3				3	3 Nos.

Hume Pipe culvert 2'-0" dia in Haleangady village.

At 550'	1	-	-	-	1 No.	1 No.

Hume pipe culvert 2'-0" dia. in Koikude and Thokur village.

At 7360	1				1	
At 13400	1				1	
Between 15600 and 15,700	2				2	
					4	4 Nos.

Details of Hume pipe culvert 2'-0" dia.

1. Earthwork excavation in hard gravel.						
For foundation of retaining wall.	2	8'-0"	4'-0"	2'-6"	560	600
2. Concrete broken stone 1½" size in C.M. 1:3:6.						
Under retaining wall.	2	8'-0"	4'-0"	1'-6"	96	100 C.Ft.
3. Coursed rubble IInd sort in C.M. 1:5.						
Foundation of retaining wall	2	6'-6"	2'-6"	1'-0"	33	
-do- superstructure.	2	6'-0"	2'-0"	3'-0"	72	
Total.					105	110 C.Ft.
4. Rough stone dry packing for revetment.						
Revetment.	2	6'-0"	1'-6"	4'-6"	81	
Apron rear.	1	6'-0"	4'-0"	2'-0"	48	
-do- front.	1	4'-0"	4'-0"	1'-0"	16	
Retaining wall in rear.	2	6'-0"	1'-0"	1'-0"	12	
Extra if necessary.					43	
Total					200	200 C.Ft.
5. Coursed rubble Ist sort in C.M.1:6						
Parapet wall.	2	5'-0"	1'-0"	2'-0"	20	20 C.Ft.
6. Providing and fixing hume pipe 2'-0" dia						
	1	18'-0"			18	18 R.Ft.
7. Guard stones.	4				4	4 Nos.

Culvert of 3 spans of 5'-0" each.

1. Earthwork excavation in hard gravel.						
For foundation of abutment 68.00 to 71.00	2	17'-0"	6'-9"	3'-0"	688	
-do- wings.	4	5'-3"	6'-9"	3'-0"	424	
-do- piers.	2	19'-0"	5'-0"	2'-0"	570	
					1682	2000 C.Ft.

2. Concrete broken stone 1½" size in C.M. 1:3:6.

65

DETAILED ESTIMATE. 524,216—25-6-50 A.F. 128 [illegible]

27

District — Taluk

Village and Survey — Date and cost of original construction

Name and number of work — Date and cost of last repairs

Details of work.	Number.	Measurement in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
Culverts						
I. Name pipe culvert 2'0" dia on S/L Kallyanapeth village (550')						
1) Earthwork excavating foundation in all sorts						
For head wall	2	4'0"	3'0"	2'6"	135	270 c/f
2) Concrete bottom slab 1½" thick in C.M. 1:4:8						
Under walls	2	4'0"	3'0"	6"	81	162 c/f
3) Random rubble in C.M. 1:4						
Head walls	2	3'6"	2'0"	3'0"	126	
parapet	2	7'6"	1'6"	0'7½"	16	150 c/f
					142	
4) Providing & fixing name pipe 2'0" dia with collars etc complete						
Name pipe	1	16'0"	-	-	16	16 R/f
5) Filling in with excavated earth for earth embankment		L.S				
6) Rough stone dry pitching		L.S				
7) Empersion sheet		L.S				
8) Petty unforeseen charges						
II Culverts in Thokur, Hachinde Hemavati & Kalyanapeth villages						
1) Name pipe culvert 2.0" dia on S/L						(7550)
1) Earthwork excavation foundation in all						

Details of work.	Number.	Measurement in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
2) Concrete bottom slope 1½"					C.M.	1:4:8
under load wall	2	9'0	3'0	1'6	81	85 C.M.
3) Reinforced masonry in C.M. 1:4						
Head walls	2	3'0	2'0	5'0	120	
Parapet	2	7'6	1'6	0'7½	13	
					133	190 C.M.
4) P.work in foundations of bridges including excavation, centering & complete						
Arch Span	1	22'0			22.	22 K.M.
5) Filling in with excavated earth behind abutments & wing walls						65
6) Rough stone dry pitching					45	
7) Cement plaster					45	
8) Pointing with cement mortar					45	
2. Culvert of 3 spans			(7400)		in 1/4	
1) Earth work excavation for foundations in all soils						
For foundation of abutment 71.50 to 69.00	2	16'6	4'0	2'6	330	
wings	4	5'6	4'0	2'6	220	
Piers	2	16'6	3'6	2'6	324	
			Total		874	1000 C.M.
2) Concrete in foundations 1 bottom 1½"						C.M. 1:3:6
For foundation of abutment 69.00 to 70.50	2	16'6	4'0	1'6	198	
wings	4	5'6	4'0	1'6	132	
Piers	2	19'6	3'6	1'6	194	
Top of abutment & piers	4	15'0	2'0	0'6	60	
					584	
Total						600 C.M.

Details of work.	Number.	Measurement in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
3) Random rubble in C M						
Abutment foundation 70-72 M.S.	2	13	6" 3'	0" 1'	0" 9	9
wing	4	5	6" 3'	0" 1'	0 6	6
Pier	2	17	6" 2'	6" 1'	0" 8	8
Superstructure abutment 71 3 to 74 5	2	11	6" 2'	6" 3'	0" 22	22
ditto wing	4	5	6" 2'	6" 1'	0" 14	14
abutment 74 5 to 76 5	2	11	6" 2'	0" 2'	0" 12	12
ditto wing	4	6	0" 2'	0" 2'	0" 9	96
abutment batter 76	2	11	0" 1'	0" 0'	5½" 2	1
wing upto road level	4	6	0" 1'	4" 1'	1" 5	5
Pier 71 5 to 76 5	2	15	0" 2'	6" 5'	6" 31	0
cut waling	2×2	2	3 10" 2	× 0	6 3	6
Pierhead	2	31	6" 1'	3" 1'	10½" 14	5
coping	2	31	6" 1'	6" 0'	7½" 5	9
Pilehead	2×2	1'	4" 1'	6" 1'	10½" 2	0
coping	2×2	2'	0" 1'	9" 0'	7½"	9
Total					14	10
Deduct concrete 11 6 under piles.						00
					14	10

14 10 c/f

4) Cut stone stab for abutment

Stab	1	24	0	15 0	0 8½" 22 3	22 3 c/f

5) Ground plinth 2' 6" × 0' 9" thick

Measured A A Nos

6) Earthworks excavation for embankment in ordinary ground including all leads + lifts, breaking down, consolidating etc for formation, breach in embankment

384,306—24-40-51. C.F. 150

DETAILED ESTIMATE.

District

Taluk

Village and Survey

Date and cost of original construction

Name and number of work

Date and cost of last repairs

Details of work.	Number.	Measurement in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1) Earth work in clearing jungle for embankment.						
Quadrants	4	22/7 × 14 × 11'0" × 7'0"/2 = 154				
Straight joints	2x2	30'0"	1'0"	7'0"/2	1260	
Toe for quadrants	4	22/7 × 14 × 1'6"			66	
Toe for straight portion	4	30'0"	1'5"	1'6"	450	
					1980	1200 cft
Total						
2) Watering clean						
3) Ramming clean						
4) Earth work in banking						(13400)
5) Embankment consolidated by ramming with earth						
Quadrant work	2	10'0"	3'6"	2'6"	175	200 cft
6) Concrete in foundation 1:4:8						
Quadrant work	2	10'0"	1'6"	1'6"	105	110 cft
7) Concrete in 1:2:4						
Quadrant work	2	10'0"	1'6"	1'0"	45	
Straight	2	9'0"	2'0"	1'0"	150	
Parapet	2	4'0"	1'0"	2½"	16/2 = 8	450 cft
8) Filling in earth embankment consolidated by ramming with earth consolidated for earth work						
9) Removing 4 feet from bund portion 12'0" clear width collapsed for completion						
Portion	1	16'0"			16	64 cft
10) Earth work in clearing jungle						

Details	No.	L	B.	H.	Remarks
Under pipe culvert 1'0" dia in 1:2:4 (1st class).					
1) Earthwork excavation for side walls for head wall	2	6'0	3'0	2'6	90 cft
2) Concrete under sides 1½" aggr in C.M. 1:4:8.					
Under head walls	2	6'0	3'0	1'6	54 cft
3) Random rubble in C.M. 1:4					
For head walls	2	5'0	2'0	4'0	80.
4) Parapet	2	4'6	1'8	0'7½	11 cft
A) Providing & fixing M.S. bars 1½" with collars etc complete					
Pipe	1	16'0			16 Kg
B) Filling in walls, abutments & wing walls with consolidated fine earth excavated					L.S
6) Removing above dirty materials					
7) compensation allowance					
8) Filling requirements					
5) Under pipe culvert 1'0" dia in 1:2:4 (1st class)					
Same details as above					

Estimated cost Rs
1c 3/3/53

Abstract Estimate

Qty	Description	Rate	per	Amt	Total
	Roadwork				
	In Kallegangadi village.				
6000 cft	1) Earthwork excavation in hard gravel.	21-6-0	1000 cft	128.	
10,000 cft	2) - do - ordinary soil	10-14-0	"	109.	
30,000 cft	3) - do - ordinary gravel with initial lead.	15-14-0	"	566.	
2,000 cft	4) - do - + 10 leads	30-2-0	"	301.	
10,000 cft	5) - do - + 20 leads	41-6-0	"	414.	
10,000 cft	6) - do + 30 leads.	52-10-0	"	526.	
	7) Rough stone dry packing for revetment L.S.			1000	
	8) Cost of wet & dry fields etc.			750	
	9) Unforseen items, cutting trees etc			130.	
	10) Petty supervision charges.			76	
				4000	
	Total				
	Roadwork in Thokur, Koikunde, Kundal & Kulipady				
50,000 cft	1) Earthwork excavation in hard gravel.	21-6-0	1000 cft	1069	
10,000 cft	2) soft laterite	23-16-0	"	239.	
10,000	3) Ordinary soil	10-14-0	"	109.	
200,000	4) - do - ordinary gravel	18-14-0	"	3488	
33,000	5) - do - with 5 leads	24-8-0	"	809.	
	6) Blasting granite rock	L.S.		200.	
21 Nos.	7) Providing pandong stones	3-12-0	each	79.	
3 Nos.	8) - do - male stone	20-0-0	"	60.	
	9) Rough stone dry packing for revetment & aprons of slopes	L.S.		1500	
				500	

Qt.	Description	Rate	per	Amt.	Total
	Culverts				
	1) 1 Nos 2'-0" dia RCC pipe culvert (In Valley upgrade)				
	1) Earthwork excavation ~~in all soils~~				
200 cft	in all soils	21-6-0	1000 cft	4.	
85 cft	2) Concrete broken stone 1½" size in C.M. 1:4:8	97-0-0 ~~95-0-0~~	1000 cft	82 ~~83~~	
1500 cft	3) Random rubble in C.M. 1:4	86-8-0 ~~87-0-0~~	1000 cft	130 ~~131~~	
16 R.ft	4) Providing & fixing 1 nos 2'-0" dia RCC pipe including collars etc	12-10-0	R ft	208	
	5) Filling in with excavated earth for earth embankment	L.S		5	
	6) Rough stone dry packing			33 ~~31~~	
	7) ~~Petty cost~~ Unforseen items			25	
	8) Petty supervision			13	
				500	500/-
	Culverts in Thokem, Kodandi, Hemavati & Yedipedu villages				
	2) 1 Nos 2'-0" dia ~~1~~ ¼ RCC pipe culvert				
200 cft	1) Earthwork excavation in all soils	21-6-0	1000 cft	4.	
85 cft	2) Concrete broken stone 1½" size in C.M. 1:4:8	97-0-0 ~~95-0-0~~	1000 cft	82 ~~83~~	
1800 cft	3) Random rubble in C.M. 1:4	86-8-0 ~~87-0-0~~	"	156 ~~157~~	
22 R.ft	4) Providing & fixing 2'-0" dia RCC pipe with collars etc	12-10-0	R ft	278	
	5) Filling in with excavated earth for earth embankment	L.S		5	
	6) Rough stone dry packing			31	

1535

Qty.	Description	Rate	per	Amt.	Total
	3) Slab Culvert of 3 spans @	1/4			
1000 c.ft	1) Earthwork excavation in all soils	21-6-0	1000 c.ft	21.	
600 c.ft	2) Concrete broken stone 1½" sqr in C.M. 1:3:6	113-8-0 ~~114-0-0~~	100 c.ft	681 ~~687~~	
1450 c.ft	3) Random rubble in C.M. 1:4	86-8-0 ~~87-0-0~~	"	1254 ~~1262~~	
225 c.ft	4) Cut stone slab for slab	3-90 ~~3-5-6~~	1 c.ft	802 ~~795~~	
4 Nos.	5) Guard stone 3'-6" 0'-9" dia	10-10-0	each	43.	
1900 c.ft	6) Rough stone dry packing for revetment	31-0-0	100 c.ft	589.	
12000 c.ft	7) Forming road in embankment	35-8-0	1000 c.ft	426.	
	8) Unforseen items			84	
	9) Petty supervision			130	
				100	
				~~4050~~ 4000	~~405~~ 4000/-
	A) Hume pipe culvert of 2'-0" dia @				2/5.
200 c.ft	1) Earthwork excavation in all soils.	21-6-0	1000 c.ft	4.	
110 c.ft	2) Concrete broken stone 1½" sqr in C.M. 1:4:8	97-0-0 ~~98-0-0~~	100 c.ft	107 ~~108~~	
250 c.ft	3) Random rubble in C.M. 1:4.	86-8-0 ~~87-0-0~~	"	216 ~~218~~	
16 Rft	4) Providing & fixing Hume pipe 2'-0" dia with collars etc	12-10-0	Rft	208.	
	5) Filling in with excavated earth for earth cushion			5	
	6) Rough stone dry packing			31	
	7) Unforseen items			14	
				15	

Qty	Description	Rate	per	Amt	Total
	5) 1 Nos pipe culvert 1'-0" dia in 2/8				
1000	1) Earthwork excavation in all soil	21-6-0	1000 c/ft	2	
60 cft	2) Concrete broken stone 1½" size in c.m 1:4:8	97-00 ~~95-0-0~~	100 c/ft	58 ~~59~~	
100 cft	3) Random rubble in c.m 1:4	86-8-0 ~~870-0~~	1	87 ~~87~~	
16 Rft	4) Providing & fixing 1'-0" dia Nos pipe	4-11-6		76	
	5) Filling in trenches excavated earth for trench excavation	L S		5	
	6) Rough stone dry pitching			32	
	7) Unforseen items			20	
	8) Petty supervision Charges			10	
				290	290
	Total				
	6) 1 Nos pipe culvert 1'-0" dia in 2/5				✓
	The same as above			290	290
	Abstract				
	for Kallenyamadi village				
	1) Road works			4000	
	2) 1 Nos pipe culvert 2'-0" dia in 0/1			500	
	Total			4500	
	for Thottam, Kottanda, Kannara & Kalipanda villages				
	1) Road works			8300	
	2) 1 Nos pipe culvert 2'-0 dia in 8/4			600	
	3) 3 Nos culvert of 3 spans in 1/4			4050	

General Abstract

Road work.

1) From Ballygunjeedi village	4000.
2) From Kankeri Kachcheri, Kannad & Kedihanday village	8800
Total	12,800

Culverts.

1) ~~Cuto~~ Stone pipe culvert of 2'-0" dia in 0/1. (Ballygunjeedi)	500.
2) Stone pipe culvert of 2'-0" dia in 1/4	600.
3) Slab culvert of 3 spans.	4,000.
4) Stone pipe culvert of 2'-0" dia in 2/5	4050.
5) Stone pipe culvert of 1'-0" dia in 3/5 ( )	600.
6) Stone pipe culvert of 1'-0" dia in 7/8	290
	290
Total	~~6330~~ 6280.
~~grand total~~	19,130 ~~19,130~~

Bhagwandas Jain
31/1/53
J.E.

38

Constructing culverts

Pakshikere - Haleangady Road

Amount of estimate Rs 6280/-

District : S. Kanara.

Taluq. Mangalore.

Village. Kalleyangadi, Kurnad, Kankanadi, Kennal & Kalifrandy.

Name of work. Improvement to Kalleyangadi - Pakshikere Panchayat village Road. ~~road~~ constructing culverts

Est Rs ~~14,130/-~~ 6280/-

Technically Scrutinized

S Vaikunthan 12-3-53

Supervisor CP.

1)	2'-ϕ. pipe culvert	0/1	500/-
2)		1/4	600/-
3)	3 Span culvert at	1/4	4000/-
4)	2' ϕ pipe culvert at	2/5	600/-
		2/8	290/-
5)	1' ϕ " "	2/8	290/-
6)		Total	6280/-

Sanctioned for Rs 6280/-

(Rupees Six thousand two hundred and eighty only)

O/C.

(23-3)

D. C. P.

12/3/53 14-3-53

S/ [illegible]

39

Public (Community Projects-Audit) Dept.

Memorandum No. 12235 Public (C.P.Audit)/53- 1 d/- 19.6.53

Sub:- Community Projects - Souki Kanara Dt - Communication Construction of six culverts in the Halaampur Pakshikere road - Completion report.

Ref:- G.O.No.Ms. 696. Public (C.P.) Department, 18.3.53

The Project Executive Officer, Mangalore is requested to expedite the submission of the completion report called for in the Government Order cited.

To the P.E.O., Mangalore

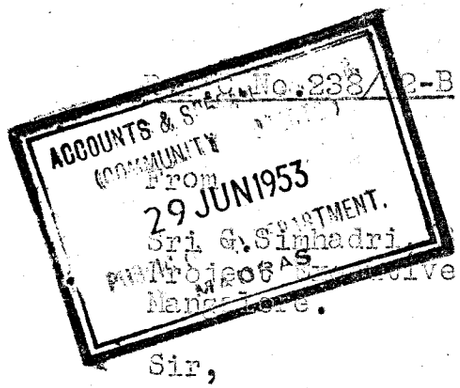
(R.D. ~~2~~ 1 weeks)

Note.- P.T.O.

40

Note.-

The draft memo. put up above may be approved, as the completion report due from the P.E.O., has not been received yet.



P.No.238/2-B.

Project Executive Office, S.Kanara,
Mangalore, dated 24-6-1953.

20460

To

Sri G.Simhadri, B.A.,
Project Executive Officer,
Mangalore.

The Director of Community Projects
and Ex-Officio Secretary to Govt.,
Fort St.George, Madras 9.

.....

Sir,

Sub: Community Projects - South Kanara District - Communications - Construction of six culverts on Haleangady Pakshikere Road - Completion report.

Ref: Government Memorandum No. 12235, Public (C.P.Audit)/53-1 dated 19-6-1953.

*****

The work of one culvert of three spans is nearing completion. The remaining five culverts have to be constructed with hume pipes. The pipes required could not be got so far, as intimation regarding the inclusion of Project Executive Officers in the list of Direct Demanding Officers was received only on 9-6-1953. An indent for hume pipes has been placed with the Indian Hume Pipe Co., Ltd., Coimbatore under the I.S.D. rate contract and the supply has not been received yet. The work of the remaining culverts is held up for want of hume pipes. It will be taken up as soon as the pipes are received and completed as expeditiously as possible.

PROJECT EXECUTIVE OFFICER.

T/25.6.

43

Ref.C.No.238/52-B.

Project Executive Office, S.K.
Mangalore, d/- 9th October 1953.

28062

From

Sri B.N.Hegde, B.A.,
Revenue Divisional Officer,
Puttur in charge.

.....

To

The Director of Community Projects
and Ex-Officio Secretary to Govt.,
Fort St.George, Madras.9.

ACCOUNTS & EXPENDITURE BRANCH
COMMUNITY PROJECTS
12 OCT 1953
PUBLIC (C. P.) DEPARTMENT
MADRAS

Sir,

Sub: COMMUNITY PROJECTS - South Kanara - Improvement to Haleangady Pakshikere road - Revised estimate - Sanction - Requested.

Ref: G.O.Ms.696 dated 18-3-1953.
Report of the Asst.Engineer (C.P.)Mangalore
Ref.410-E dated 3-10-1953.

*****

In the Government Order cited above, sanction has been accorded for the construction of 6 culverts on the Haleangady Pakshikere Road at a cost of Rs. 6,280/-

The work of construction of culverts is in progress and will be completed soon. During the actual execution of the culverts, it was found necessary to change the position of the culverts and re-arrange them in suitable position and this has resulted in revising the old sanctioned estimate. In the old estimate, provision was made for 6 culverts at a cost of Rs. 6,280/- but on account of the change in the position of culverts, 7 are found necessary which would cost only Rs. 6,180/- with a net savings of Rs. 100/- The necessity for the revision of the estimate is explained in detail in the report of the

p.t.o.

'44

Assistant Engineer (C.P.) Mangalore enclosed. The revised estimate may be sanctioned.

3083

for REVENUE DIVISIONAL OFFICER, 9/10/53
PUTTUR IN CHARGE.

Enclosure: Estimate in duplicate.

T/9.X 9/10

45 Pub (Cp. Audit) Dept

Memo No 12235 Pub (Cp. Audit) 53-2 dt 23.10.53

Sub:- Community Projects - South Kanara Area - Communications - Improvements to the Hebbangady-Pakshikere road - Revised proposals.

Ref:- From the PEO. Mangalore ref. C. No 238/52-B dated 9.10.53.

The deviations proposed by the PEO in his letter cited are approved and may be carried out, since they are warranted under the circumstances explained. These deviations may be explained properly in the Completion report to be submitted in due course. The details of the deviations as carried out may also be sent enclosed with the Completion Report and plans of the completed works.

2. The revised proposals received with the letter cited are herewith returned.

22/10/53

23/10/53

Pleasure 23/10/53

(By regd post) confirmed by wire

To The PEO. Mangalore (with enclosures)

(RD 2 months for Ch.)

E.R.D. 2212.53

RD 22-10-53

28/12/53

22/12/53

ACCOUNTS AND ... DEPARTMENT

18697

Proceedings of the Inspector of Rural Dev. & Local Boards, Madras.1
Sri J.Sivanandam, I.A.S.,

Dated 4-1-54.

L.Dis.72043/53-
Sub:-Contribution - Kemral Attur Panchayat - South Kanara District - payment of Rs.250/- towards formation of road under community project scheme sanctioned.
Read:-From the President, Kemalattur Panchayat letter O.R.No. 5/53, dated 9-1-53.
" the District Panchayat Officer, South Kanara Endt.N.Dis. 2776/53, dated 14-11-53.
" the Regional Inspector, Western Range, Coimbatore Endt.N.Dis.27833/53, dated 7-12-53.

ORDER:

Sanctioned.

for Inspector. 7.1.54

To
The President, Kemral Attur Panchayat, Kindugoli Post, South Kanara Dt.

Copy to the District Panchayat Officer, South Kanara at Mangalore
Copy to the Regional Inspector, Western Range, Coimbatore.
Copy to the Secretary to Government, Agriculture (C.P.) Department, Madras.

pkr.6/1

Endt. No.12235 (C.P. Audit) 5-2/3 dt. 19.1.54. (C.P. Audit)

Please 1) Comm. cert. (Sd.) P.E.O. Mangalore 19.1.54.
NS 9/11/54. 2) The completion report for the work/scheme may be expedited.
9/11/54. 3) Rly no 696 Rem dt 18-3-53
Dy. 18/1/54. To the P.E.O. Mangalore. 9/1/54.
R.D. 1572/54.

48 (C.No 12235/53)

E.R. 17-2-54

N.R. 17.3-54

15/2/54

Agri (C.P. Audit)

Form DV1
13-5-54.

Ref.C.No.238/53-B.

Project Executive Office,S.K.,
Mangalore, dated 4-5-1954.

From
Sri.H.Narasimha,
Project Executive Officer,
Mangalore.

To
The Director of Community Projects
& Ex.Officio Addl.Secretary to
Govt. Agrl. C.P. Dept.,
MADRAS.

Sir,

COMMUNITY PROJECTS - S.Kanara - Block I - Communications - Haleyangadi - Pakshikere Road - Completion report - submitted.

I submit herewith the completion report with plan, in respect of the above work, sanctioned in G.O.Ms.No.686 Pub. dated 18-3-1953.

Yours faithfully,

Project Executive Officer.

Encl: Completion report and plan.

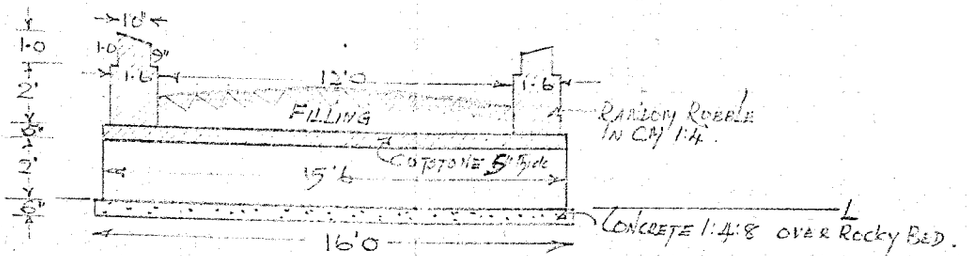
Copy to the Accountant-General, Madras. (with a copy of the completion report.)

JC/7-5-54.

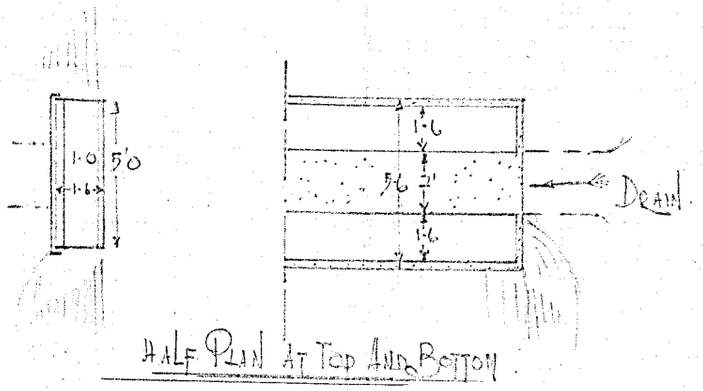
62123
1405

PLAN & 2'0 VENT CULVERT AT ¼ & PAKSHIKERE ROAD
IN PLACE & 2'0 PIDE CULVERT.

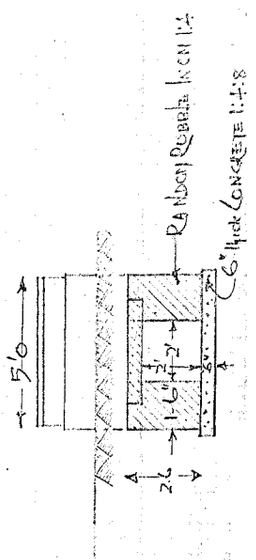
SCALE 1/72



LONGITUDINAL SECTION



HALF PLAN AT TOP AND BOTTOM



24.8.53.
Supervisor C/P Mulky.

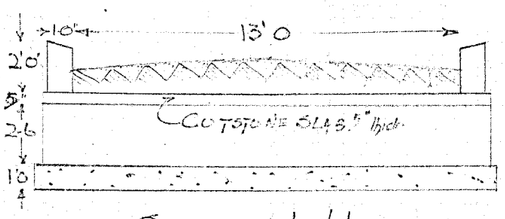
Certified that the work has been executed as per this plan.
30/9/53

Assistant Engineer,
Community Projects,
S. K. MANGALORE.

Engineer 9.3.54

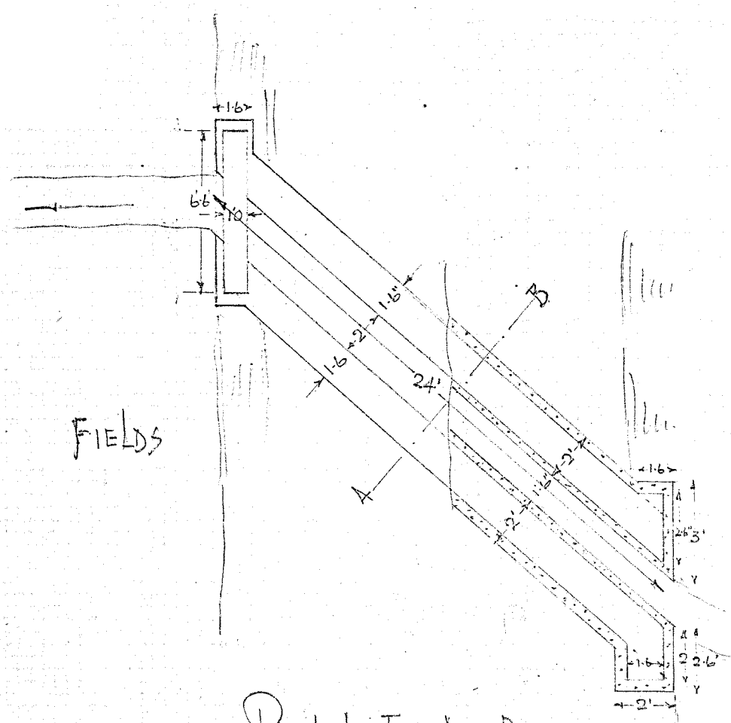
CONSTRUCTION Ø 2'-0 VENT SLAB CULVERT (SKEW) AT 0/1 OF HALEANGADY ROAD.

SCALE 1/12

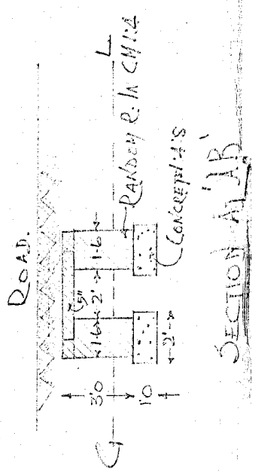


SECTIONAL ELEVATION.

Certified that the work here has been executed as shown hereon.
[illegible]
19/3/26
Engineer.



PLAN AT TOP AND BOTTOM.

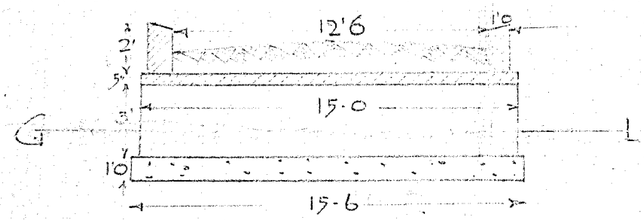


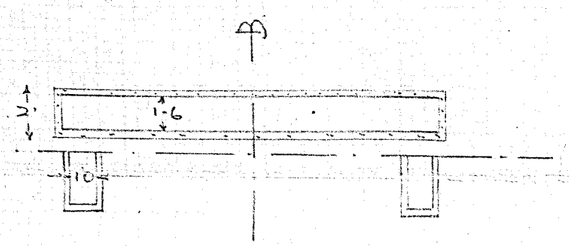
L. A. Cowan
20/3/26
AE

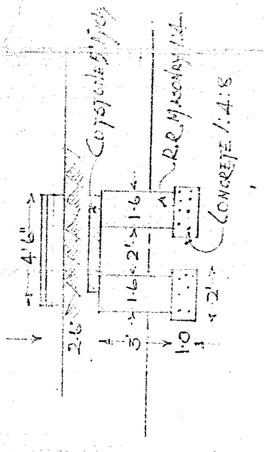
FIELDS.

PLAN Ø 2' VENT SLAB CULVERT AT 2/0 Ø PASSENGERS

SCALE 1/12.







PLAN AT T[illegible]

[illegible]
23/3/26
Inspector of Works

L. A. Cowan
30/7/13
Assistant Engineer

PR done
VN 20.5.54

Typed
Rly 21/5

Memo No 12235 Agri (PR. D VIII) 53-4 dt 20.5/54

Sub:- Cls. S.K. Area- Communications. Constn of culverts on the Halegangady Pakshikere roads- Completion report.

Ref:- From the PEO. Mangalore reg. CNo. 238/52-B dated 4-5-54.

The Copy of the Completion report received with the letter cited is herewith returned. The PEO Mangalore is requested to verify the Corrections notes therein in pencil and report the Correct total value of work done after check.

2) It is seen that only the plans of the work done according to the deviations are enclosed. The original plans approved in G.O No. 696 Pub (CP) dt 18-3-1953, may also be resubmitted with necessary certificates of Completion where these plans are adopted

3) The PEO is also requested to send the details of measurements of work actually done according to the deviations, as called for in memo No. 12235 Pub (CP. Audit) 53-2 dt 23 10/53

4) It is presumed that the entire length of road has been formed by the Villagers. This fact should invariably be mentioned when Completion reports for culverts Constructed on roads formed as local Contribution are Submitted

5. The date of Completion of the work

To
The PEO. Mangalore (WE)
Extract of para 4 to All PEOs.

R.D. Ivenath

ER: 8.7.54
NR: 8.8.54

VN 8.7.54 & 8/12/54 ER 7.8.54 NR: 7-8-54

Rly 7/8

SK 20.5.54

2
56

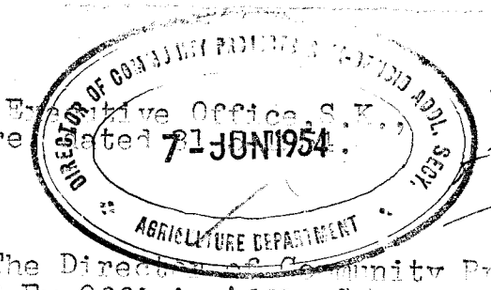
ie the date on which the accounts of the work
were closed should also be noted in the
relevant column of the Completion report

SY
20-5-56

E
2097/M

Ref.C.No.238/52-B.

Project Executive Office, S.K.,
Mangalore dated 21-JUN1954.



From
Sri.H.Narasimha,
Project Executive Officer,
Mangalore.

To

The Director of Community Projects
& Ex.Officio Addl. Secretary to
Govt. Agri. C.P. Dept. MADRAS.

Sir,

75154 COMMUNITY PROJECT - South Kanara Area - Communications - Constructionof culverts on the Halevangady Pakshikere road - Completion report.

Ref: Govt.Memo No.12235/Agri.(D.VIII)53-4 dated 20-5-54.

The copy of the completion report said to have been sent with Government Memo cited, has not been received. It may kindly be sent.

Yours faithfully,

Project Executive Officer.

JC/2-6-54.

Agri DVIII 23

Memo No 12235 ~~A5~~ DVIII/53-5

Dated 8-6-54

C Pro. S. K. Area - communicating construction of culverts on the Haleangadi Pakshikere Road - completion Report.

Ref: From the PEO Mangalore Ref-C No 238/52B5 dt 31.5.54

The completion report is returned herewith for check and resubmission with the other particulars called for.

To the PEO, Mangalore. (W.E)

R.D. ~~Known~~.

Typed By/Sd
Prince
VAS
8.6.54.

P2 ICF

Sd/-
8/6/54.

25

Ref.C.No.238/52-B.
D.O.

Project Executive Office,S.K.,
Mangalore, Dated 2-11-1954.

ASSISTANT SECRETARY TO GOVERNMENT
2791
5 NOV 1954
DEVELOPMENT PROJECTS DEPT.

Dear Sri. Santanagopalan,

COMMUNITY PROJECTS--South Kanara--Communications--Construction of culverts on Halealangady Pakshikere Road--Completion report.

Ref: 1. Govt. Memo No.12235/Agri. D.VIII/53-4, Dated 20-5-54.

2. Your D.O.No.12235, dated 12-10-1954.

The figures noted in pencil in the Completion Report are correct. The Completion Report is enclosed.

The original plans approved are enclosed.

Statement showing the details of measurements of work actually done according to the deviations is enclosed.

The road work has not been completed as contemplated in the estimate. It was expected to be further improved during the last monsoon. This will be got done by the Panchayats concerned. The value of road work done may be put down at Rs.6000/-.

The final bill for the work was cashed at the District Treasury, South Kanara in February 1954. But the cost of cement and hume pipes supplied has not been charged to the work concerned. The cost of cement and hume pipes used comes to(Rs. 831-4-0 plus Rs. 354-7-0) Rupees 1185-11-0.

Yours Sincerely,

H Narasimha

(H.Narasimha.) 3-11-54

To
Sri. C. S. Santanagopalan, B.A.,
Accounts and Special Officer,
Chief Secretariate, Madras.

JC/3-11-54.

3/11/54

Completion Report

Name of Work :- Improvements to Hacaragoda-Padeniya Road - Construction of Culverts.
Estimate Rs 6250/= G.O.I/S 676/18-3-53.

No. of Estimate	Date of Entry	Date of Completion	Date of Passing by the	Particulars	As estimated. Quantity	Rate	Amount	As executed. Quantity	Rate	Amount	Difference (Excess + / Saving -) Quantity	Rate	Amount	Explanation for the difference
				(A) Construction of 2' cut slab Culvert (skew) against 2'+dia pipe Culvert at 9/1.										
				Earth work excavation in all soils	200	21 6	4 - -	209	21 6	4 7 -	9	21 6	- 7 -	The original proposal of providing 2'dia pipe Culverts was changed to 2' cut slab (skew) Culverts. Hence the differences. Deviations approved vide ND 12235, Public (C&P. Audit)/53-2 Dated 23.10.53.
				Concrete Broken stone in Cement mortar 1:4:8	85	97 -	82 - -	104	97 -	100 14 -	19	97 -	18 5 -	
				Random rubble masonry in Cement mortar 1:4	150	86 8	130 - -	295	86 8	255 3 -	145	86 8	125 3 -	
				Providing and fixing Hume pipe 2'dia	16	12 10	208 - -	NIL	- - -	- - -	16	12 10	208 - -	
				Cut stone deck slabs	~~21~~	- - -	- - -	35	3 9	124 11 -	35	3 9	124 11 -	
				Filling in with excavated earth	LS.	- - -	5 - -	-	- - -	- - -	LS.	- - -	5 - -	
				Rough stone dry packing for revetment	LS	- - -	33 - -	114	31 - -	27 5 -				
				Unforseen items	LS	- - -	25 - -	-	- - -	- - -	LS.	- - -	25 - -	
				Fixing the approach in embankment	-	- - -	- - -	1716	35 8	60 15 -				
				Petty, supervision and Contingencies	LS	- - -	13 - -	-	- - -	- - -	LS	- - -	13 - -	
							500 - -			583 7 -				
				(B) Construction of Hume pipe Culvert of 2'dia (now changed to 2' slab Culvert) at 1/4										
				Earth work excavation in all soils	200	21 6	4 - -	55	21 6	1 14 -	112	21 6	2 2 -	2'dia pipe Culvert changed to 2' cut slab Culverts.
				Concrete Broken stone in Cement mortar 1:4:8	85	97 -	82 - -	44	97 -	42 11 -	41	97 -	39 5 -	
				Random rubble masonry in Cm/stm 1:4	180	86 8	156 - -	133	86 8	115 - - (154-0)	47	86 8	41 - -	
				Providing and fixing 2'dia Hume pipe	22	12 10	278 - -	-	- - -	- - -	22	12 10	278 - -	
				Cut stone for deck slabs	-	- - -	- - -	21.88	3 9	77 15 -			77 - -	
				Filling in with excavated earth	LS.	- - -	5 - -	-	- - -	- - -	LS	- - -	5 - -	not utilised.
				Rough stone dry packing for revetment	LS.	- - -	31 - -	-	- - -	- - -	LS	- - -	31 - -	not utilised. Due to Sella provided under Culvert of 3 spans.
				Unforseen items	LS.	- - -	25 - -	-	- - -	- - -	LS	- - -	25 - -	2nd Culvert
				Petty, supervision and Contingencies	LS.	- - -	19 - -	-	- - -	- - -	LS	- - -	19 - -	— —
							600 - -			237 8 -				
				(C) Culvert of 3 spans at 1/4.						23 14 0				
				Earth work excavation in all soils	1000	21 6	21 - -	1118	21 6	26 14 -	118	21 6	- - -	No pipe culverts
				Concrete Broken stone in Cement mortar 1:4:6	600	113 8	681 - -	541	113 8	614 7 -	59	113 8	67 - -	"
				Random rubble masonry in Cm/stm 1:4	1450	86 8	1254 - -	1382	86 8	1195 7 -	68	86 8	58 9 -	"
				Cut stone for slabs	225	3 9	802 - -	223.19	3 9	795 3 0 (794 14)	1.81	3 9	7 2 -	"
				Quoin stones	4	10 10	43 - -	4	10 10	42 8 -	NIL	- - -	8 - -	"
				Rough stone dry packing for revetment	1900	31 -	589 - -	1899	31 -	588 11 -	1	31 -	- - 5 -	"
				Forming road in embankment	12,000	35 8	426 - -	11925	35 8	(424) 5 -	75	35 8	1 11 -	"
				Unforseen items of works	LS.	- - -	84 - -	-	- - -	423 - -	LS	- - -	84 - -	not utilised
					LS.	- - -	100 - -	-	- - -	- - -	LS	- - -	100 - -	"

2	3	4	5	6	7			8			9			10			11			12	13			14			15
			(D) Constructing 2'-0 vent slab Culvert at 2/0 (against 1'0 dia pipe Culverts provided at 2/7-8)																								1'0 dia pipe Culvert changed to 2'0 vent slab Culverts. The length of this culvert proposed at 2/7-8 was changed and culvert was provided at 2/0.
			Earth work excavation in all soils	100	21	6	-	2	-	-	124	21	6	2	10	-				21	6	-				
			Concrete Broken stone in CM 1:4:8	60	97	-	-	58	-	-	62	97	-	60	2	-				97	-	-				
			Random rubble masonry in CM 1:4	100	86	8	-	87	-	-	164	86	8	141	14	-				86	8	-				
			Providing and fixing Hume pipe	16	4	11	6	76	-	-	—	—	—	—	—	—	16			4	11	6	76	-	-	
			Cut stone Slabs	—	—	—	-	—	-	-	21.88	3	9	77	15	-				3	9	-				
			Filling in with excavated earth	LS	—	—	-	5	-	-	—	—	—	—	—	—	LS			—	—	-	5	-	-	
			Rough stone dry packing	LS	—	—	-	32	-	-	109	31	-	33	13	-										
			Unforseen items	LS	—	—	-	20	-	-	—	—	—	—	—	—	LS			—	—	-	20	-	-	
			Petty supervision and Contingencies	LS	—	—	-	10	-	-	—	—	—	—	—	—	LS			—	—	-	10	-	-	
								290	-	=				316	6	-										
			(E) Hume pipe Culvert of 2'0 Dia at 2/5																							
			Earth work excavation in all soils	200	21	6	-	4	-	-	175	21	6	3	12	-	25			21	6	-	-	4	-	1/2 for extra length
			Concrete Broken stone in CM 1:4:8	110	97	-	-	107	-	-	105	97	-	101	14	-	5			97	-	-	5	2	-	"
			Random rubble in Cement mortar 1:4	250	86	8	-	216	-	-	217	86	8	187	11	-	33			86	8	-	28	5	-	"
			Providing and fixing Hume pipes	16	12	10	-	208	-	-	16	12	10	202	-	-	NIL			12	10	-	6	-	-	"
			Filling in with excavated earth	LS	—	—	-	5	-	-	—	—	—	—	—	—	LS			—	—	-	5	-	-	"
			Rough stone dry packing for masonry	LS	—	—	-	31	-	-	91	31	-	28	3	-	LS			—	—	-	2	13	-	
			Unforseen items	LS	—	—	-	14	-	-	—	—	—	—	—	—	LS			—	—	-	14	-	-	not utilised
			Petty supervision and Contingencies	LS	—	—	-	15	-	-	—	—	—	—	—	—	LS			—	—	-	15	-	-	not utilised
					Done.			600	-	-				523	8	-										
			(F) Hume pipe Culvert 2'0 dia at 2/8 (as against 1'0 dia pipe Culvert)																							
			Earth work excavation in all soils	100	21	6	-	2	-	-	135	21	6	2	14	-				21	6	-				
			Concrete Broken stone in CM 1:4:8	60	97	-	-	58	-	-	54	97	-	52	6	-	4			97	-	-	5	10	-	Difference due to change of Culverts from 1'0 dia to 2'0 dia pipes
			Random rubble masonry in CM 1:4	100	86	8	-	87	-	-	134	87	8	115	15	-				86	8	-				
			Providing and fixing 1'0 dia pipe	16	4	11	6	76	-	-	—	—	—	—	—	—	16			4	11	6	76	-	-	
			Providing and fixing 2'0 dia "	16	+	—	-	—	-	-	16	12	10	202	-	-				12	10	-				
			Filling in with excavated earth	LS	—	—	-	1	-	-	—	—	—	—	—	—	LS			—	—	-	5	-	-	not utilised
			Rough stone dry packing	LS	—	—	-	32	-	-	103	31	-	31	15	-	LS			—	—	-	22	1	-	actuals
			Unforseen items	LS	—	—	-	20	-	-	—	—	—	—	—	—	LS			—	—	-	20	-	-	not utilised
			Petty supervision and Contingencies	LS	—	—	-	10	-	-	—	—	—	—	—	—	LS			—	—	-	10	-	-	Do - Do -
								290	-	-				405	2	-										
			GRAND TOTAL					6280	-	-			Total	5752	10	-										
													Amount paid	5752	10	-									

Total value of work done :- 5752-10-0.
Amount to be spent from C.P. Fund = Full - As there is no Contribution towards Construction of Culvert (cft).

Total value of work done = 5752-10-
Amount actually paid from C.P. Funds } 5752-10-
Value of contribution by beneficiaries } —

Certified that I have examined the works from time to time whilst in progress and that the same has been executed in a substantial and satisfactory manner as regards materials and workmanship and in accordance with the conditions noted above with the sanctioned plans and estimate.

Project Executive Officer,
Mangalore.

Assistant Engineer AC
Community Project

Examined
19.3.54
Asst. Engineer

Checked
14/3/54

2791

Memo No R ~~12205~~ Pub (RDP VI) 54-1 dt 11-11-54

Sub:- CPs. S. Kanara Area - Communications
Construction of culverts on the Haleangady-Pakshikere road - Completion report.

Ref:- From the PEO. Mangalore reg. C. No 238/52-B dt 2-11-54

The PEO. Mangalore is informed that the cost of Constructing culverts on the Haleangady Pakshikere road was ~~sanctioned~~ sanctioned fully from CP. funds for the reason that the beneficiaries were to form the road at a cost of about Rs 12800/. He has now reported that the road work is not Complete, even though the Culverts have been constructed. It is also reported that only works to the value of Rs 6000/- have been done in forming the roads and that the balance of work will be done by the Panchayats Concerned. It is presumed that this has been assured, inasmuch as the PEO has paid the full cost of the culverts. His attention is also drawn to instructions issued in memo No. 58341 Agri DVII/54-1 dt 9-7-54 regarding certificate on Contributions.

2. The PEO has stated that the cost of Cement and 'hume' pipes used on the culverts has not been charged to this work. But the rates for items of work involving the use of Cement and 'hume' pipes, as adopted for

66

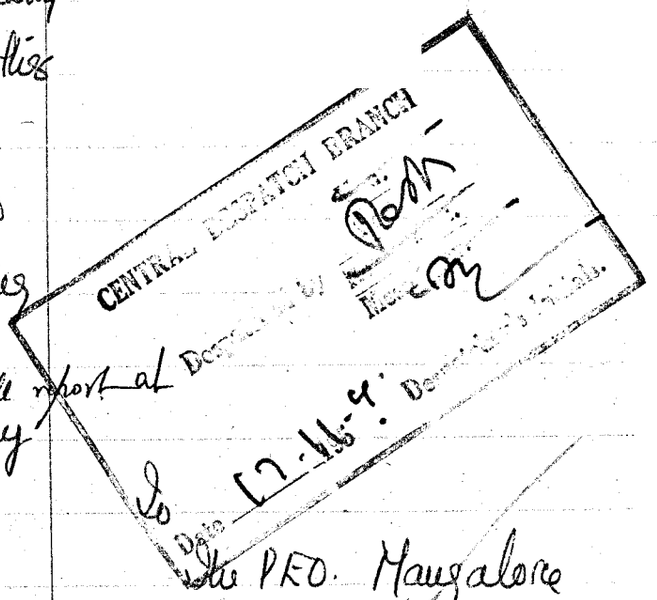
payment, include the cost of these materials As such the PEO's statement referred to needs to be clarified.

3. Completion report of a work is usually submitted after all the final payments, either by bills or by book adjustment, are made and the Completion report once submitted Can be accepted only after all outstandings dues are cleared.

4. The PEO is requested to furnish a very early ~~reply~~ a full report at

12/11/54

12/11/54



To the PEO. Mangalore

(R.D. 12-12-54.)

E.R. 22/12/54

N.R. 13/12/54.

2
22/12/54.

~~E.R.~~ 24/12/55

~~N.R.~~ NR. 15/3/55

E.R. 15/3/55

N.R. 6/4/55.

2
15/3/55

REF: 238/52-B.

Project Executive Office, S.K.,
Mangalore, Dated 16--5--1955.

67

From
Sri. H. Narasimha,
Project Executive Officer,
South Kanara, MANGALORE

To
The Director of Community Development, MADRAS.

Sir,

COMMUNITY PROJECT--South Kanara--Communications--Construction of culverts on Haleangady Pakshikera road--Completion report.

Ref: Govt. Memo No.2791 R.D.P.VI/54-1, Dt. 16-11-54 and 9-4--1955.

--

1. The Pakshikere Haleangady Road work has now been completed. The Panchayat Boardhas revetted the road portion on either side for a distance of about a furlong at Haleangady just where the Community Project road branches off from the Highway road. It has also been levelled raising the road portion to the required height. The villagers have attended to the work in the remaining portion and thus the road work is now complete.

2. The Asst. Engineer has been requested to value the road work afresh and submit his report which is awaited. A further report will be submitted on this point within ten days.

3. The cost of hume pipes and cement supplied to the work was deducted in the bills due to the ~~xxxx~~ beneficiary and the deductions so made were adjusted.

4. As the road work is now complete, the completion report submitted may be accepted.

Yours Faithfully,

16/5

Project Executive Officer.

JC/16-5-55.

16/5

Pub(RDP VI) Dept
33 69

Reminder

Memo. No. 2791/RDP VI/52-4D2-7-55.

Subj:- C.Ps- South Kanara Dt. Area.
Communications- Construction of culverts on the Haleangady Pakshikere road - Completion report -

Ref:- From the P.E.O., Mangalore, No. 238/52-B, Dated 16/5/55.

The P.E.O., Mangalore is requested to state when the further report promised in para 2 of the letter cited may be expected by the Govt.

p.319

CENTRAL REGISTRY BRANCH
Van.
Post.
Despatched by Hand/Post.
Messenger.
Date 6-7-1955 Despatcher's Initials.

To the P.E.O., Mangalore
N.R. 29.7.55

2nd 1-7-55

REF.B.238/52.

ASSISTANT SECRETARY TO GOVERNMENT
30 SEP 1955
PUBLIC DEPARTMENT

Project Executive Office, S.K.,
Mangalore, dated 24-9-1955

From
Sri H. Narasimha,
Project Executive Office
South Kanara, MANGALORE.

To
The Director of Community
Development, MADRAS.

Sir,

COMMUNITY PROJECT--South Kanara District--Communications--Construction of culverts on the Haleangady Pakshikere Road-Completion Report.

REF: Government Memo.No.2791-RDP-VI-54-5 dated 29-7-1955.

The Assistant Engineer, Mangalore reports that the road has been formed by the villagers at an estimated cost of Rs. 8,000/-. The road work may be taken as completed.

Yours faithfully,

A. Vishalakshi
27/9/55.
For PROJECT EXECUTIVE OFFICER.

UN/25-9-55.

IV

Public (Cl. Audit) Dept.

[C. No. 587/53
.. 4407/53]

Sub- Community Projects- South Kanara district- Communications
Constructing culverts in the Haleangady-Pakshikere road-
- Estimates for sanction

Ref- From the PEO. Mangalore ref. C No. 238/52 - dt. 24-1-53
From the PEO. Mangalore ref. C No. 238/52-B. dt. 5-3-53
Govt. memo No. 587 Pub (Cl I)/53-1. Dt. 16.2.53

Please see the 2nd cited letter from the PEO Mangalore enclosing a revised estimate for the works, for sanction.

The estimates originally submitted by him with his letter cited first, were returned in Govt memo cited last, for furnishing some further information and revising on lines of instructions issued. The estimates are now revised

1. The PEO has now noted the position of the culverts and the villages in the Site plan, as instructed.

2. The PEO has removed the longitudinal sectional plan of the road on the plea that ~~Since~~ the road work was being carried out by the villagers at their own cost and that the estimate for this part of the work was only rough. The road work is reported to be in an advanced Stage of progress. Hence this plan need not be called for again

3. Near the Site of the proposed 3 Span culvert, the PEO proposes another pipe culvert for diverting the irrigation channel. As the necessity for both the culverts is thus explained, it may be permissible to have both the culverts.

4. The PEO has now estimated the cost of the different pipe culverts individually as directed. The pipes used for the culverts will be obtained from the Hume pipe Company, Bowanee & works at Coimbatore. This material is accepted by the I.S.D. and hence may be adopted.

5. The PEO has furnished the levels around the Site of the 3 Span culvert. The water way for the culvert is ample as now computed by the fresh information furnished.

6. The PEO has adopted the less costly random rubble masonry in preference to Coursed rubble 2nd Sort. and has also altered the dimensions of masonry according to instructions issued in Govt. memo cited above.

The estimate has been Scrutinized and is in order In as much as Sanction is Solicited only for meet

12

✓

the cost of the Culverts, the rough estimate for the road portion of the work may be ignored and sanction may be accorded for Rs 6280, for Constructing the Six culverts only. It is permissible to meet the cost of this work entirely from C.P. funds. The entire 3 mile length of the road is being laid by the villagers at their own cost.

The draft order put up for sanction to the estimate may please be approved. The estimate may also be signed in token of sanction

R.V.
12.3.53
Un-3-53

S
16/3/53

CE
12/3
S.E.

DC
13.3.53

kept below.

[Issued as G.O. Ms. No. 696 Pub. (C.P. Audit) Dept. d/18-3-53]

29 MAY 1958

12235

Public (C.P.) Department.

Camp : Mangalore,
Dated 26-5-1953.

The Patchikarai Haleangadi road has been formed by the villagers. This was inspected by me on 25-5-53. The culvert in the road is being constructed with C.P. Funds. Rs.6,280/- has been sanctioned from C.P.Funds in G.O.Ms.No. 696 Pub. (C.P.) Dept. dated 18-3-1953. The 2 end piers and one of the middle piers have been brought to the road level. The second middle pier is under construction. This is submitted for information.

C
26/5/53.

28/5

The Camplekai report may be awaited

To Lo Fk. 28/6/53

28/5/53 28/7/53

C
31/5/53

A reminder for the Camplekai report is put up for appl

18/6/53

C
19/6/53

Issued as Memo No. 12235 Public (C.P. Fk.) 53-1 dt 19.6.53

From the A.E. Mangalore C.No. 238/52 B dt 24.6.53

The Camplekai report may be awaited

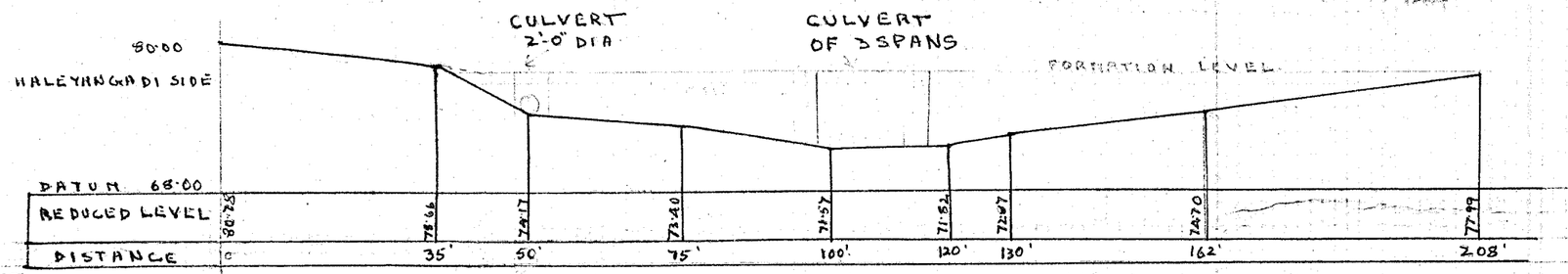
To Lo F. ~~25.8.53~~ 15.10.53

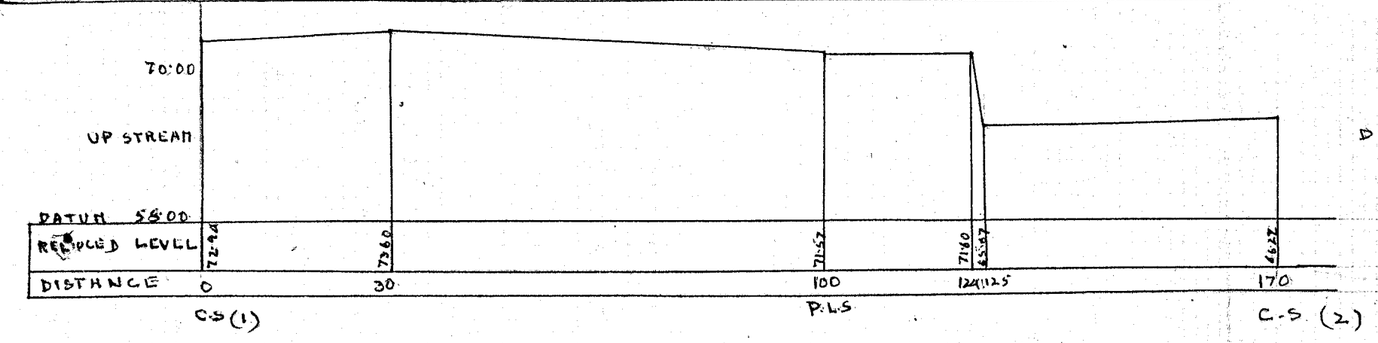
30/6 1.7.53

27/53

L.S. OF ROAD AT MAJOR CULVERT AT PARSHINERI (IN 1/4)

19

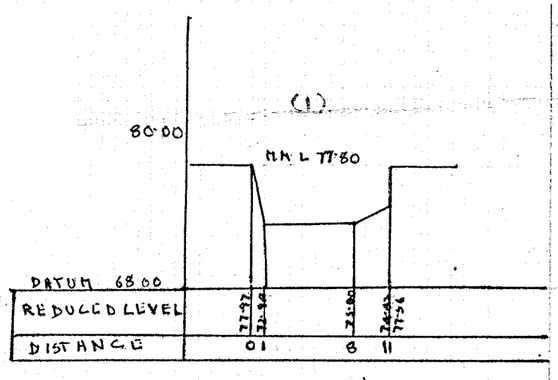




certified that the levels were taken by me and entered in pages 49 s. of L.F. Bk. NO. 65 S.K. Levels pertain to B.M. on top of stone 14'·6" from existing revetment side at culvert site as shown in site sketch +69·94

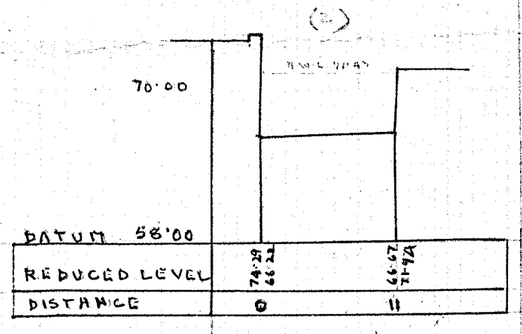
Bhagwandas Rai
J.E 3/3/53

L.S OF STREAM



C.S. AT 8' OF STREAM

48 SQ FT



C.S. AT 11·0 OF STREAM

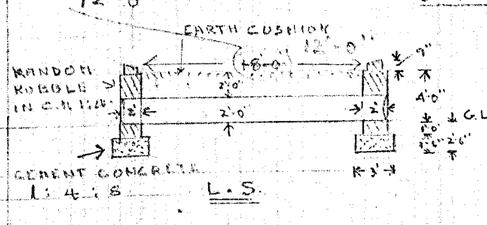
57 SQ FT

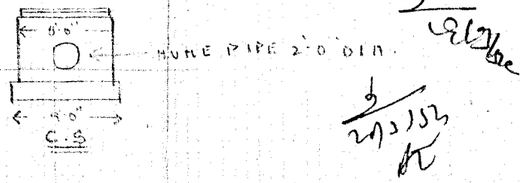
Increase to be full ? flatter bed ?

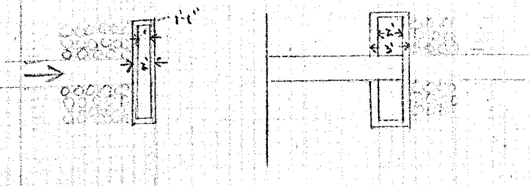
Not Carried out.

HUME PIPE CULVERT 2'-0" DIA AT ~~2/20~~ 2/5 deletion.

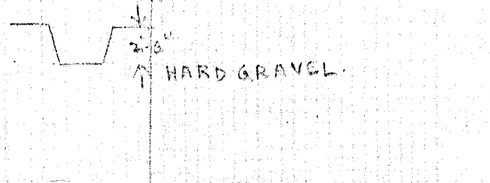
SCALE 1/14A







PLAN AT TOP & BOTTOM.



Bhagwandas Rai
J.E 3/3/53.

CONSTRUCTION OF A CULVERT AT PAKSHIKERE (IN 1/4)

L.S. ON A.B.

SCALE 1/4"

A

PROPOSED ROAD LEVEL 76·00

76·00

MEL 76·50

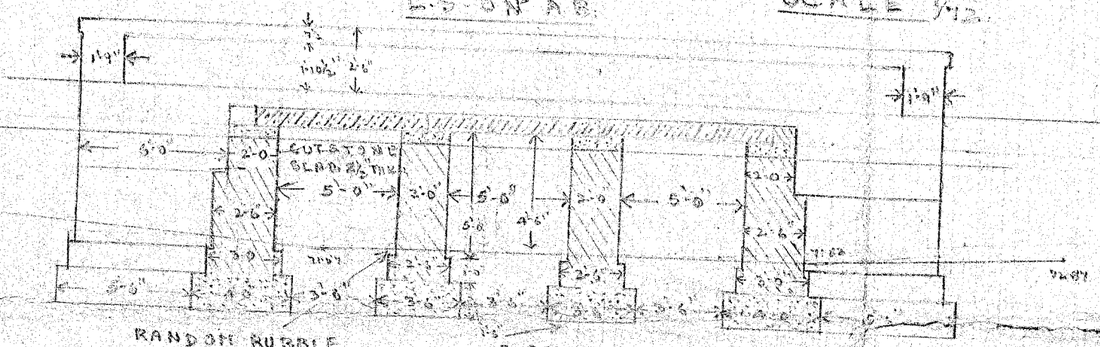
HALEYANGADI SIDE.

76·40

71·50

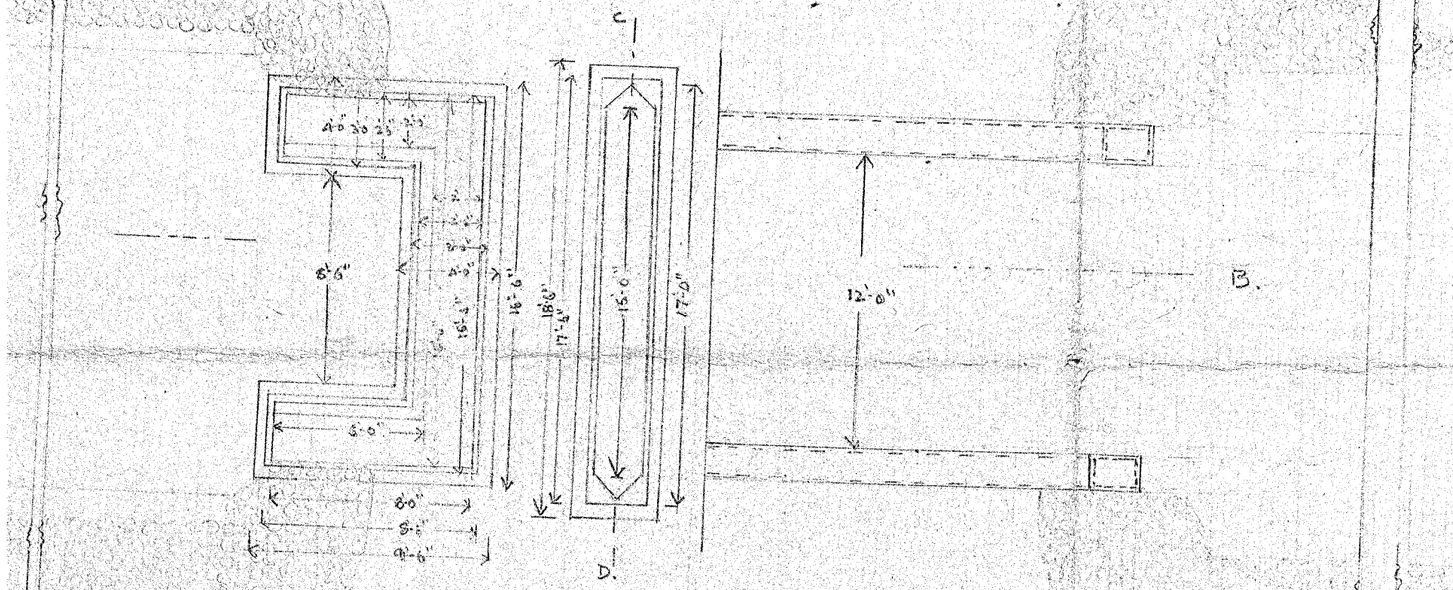
70·50

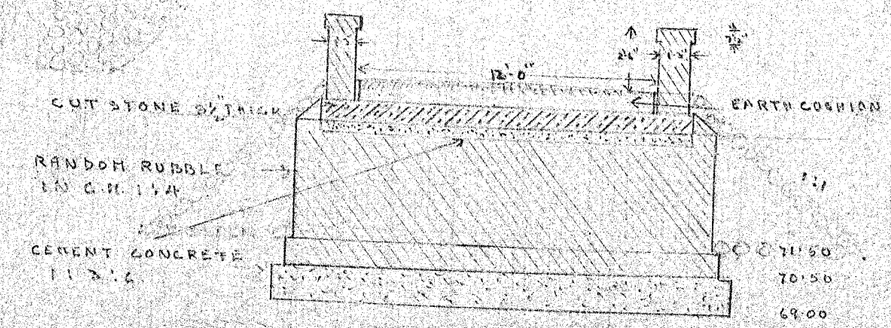
69·00



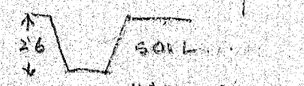
TALAPADY SIDE.

PLAN AT TOP & BOTTOM





C.S. ON C.D



Certified that the work has been executed as per the above plan

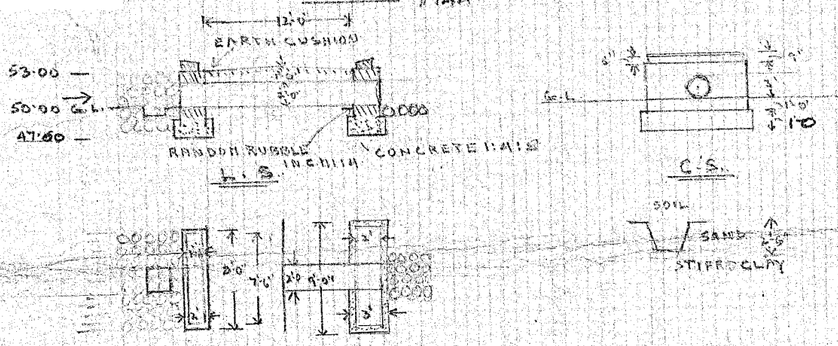
[signature]
SO Neq
23/3/54

A. A. Cooper
20/3/54
AE.

[signature]
J.E
23/3/54

HUME PIPE CULVERT 2'-0" DIA IN 0/1

SCALE 1/144.



PLAN AT TOP & BOTTOM

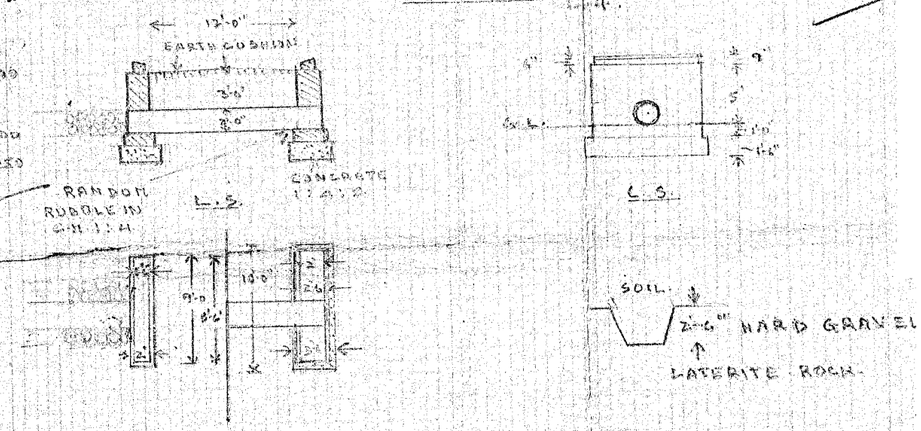
1'-0 culvert has been provided against 1'-6" as found necessary.

L. A. Campos
20/3/56
AE

HUME PIPE CULVERT 2'-0" DIA IN 2/6

SCALE 1/144.

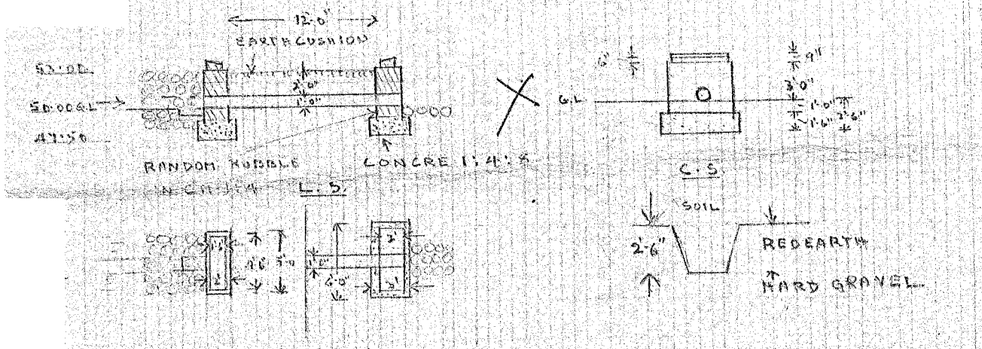
25



PLAN AT TOP & BOTTOM

1st HUME PIPE CULVERT 1'-0" DIA IN 2/6 (deleted)

SCALE 1/144.



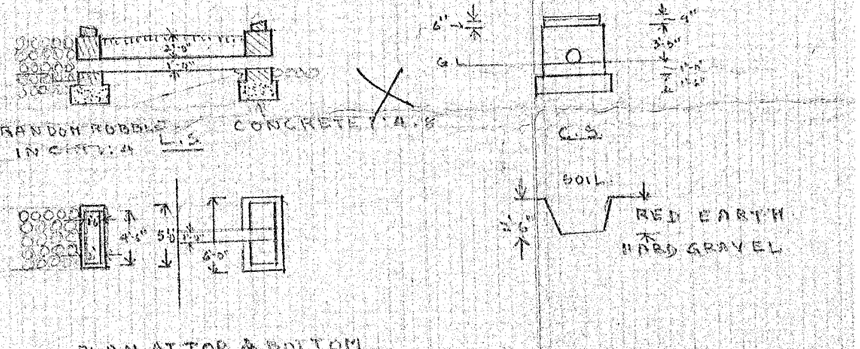
PLAN AT TOP & BOTTOM

Architectural work to be less accordingly as per less place

L. A. Campos
2/3/56
AE

2nd HUME PIPE CULVERT 1'-0" DIA IN 2/6 (deleted)

SCALE 1/144



PLAN AT TOP & BOTTOM

Bhaswanders Rao
J.E (C.P.S.M)
3/3/56.

SITE PLAN

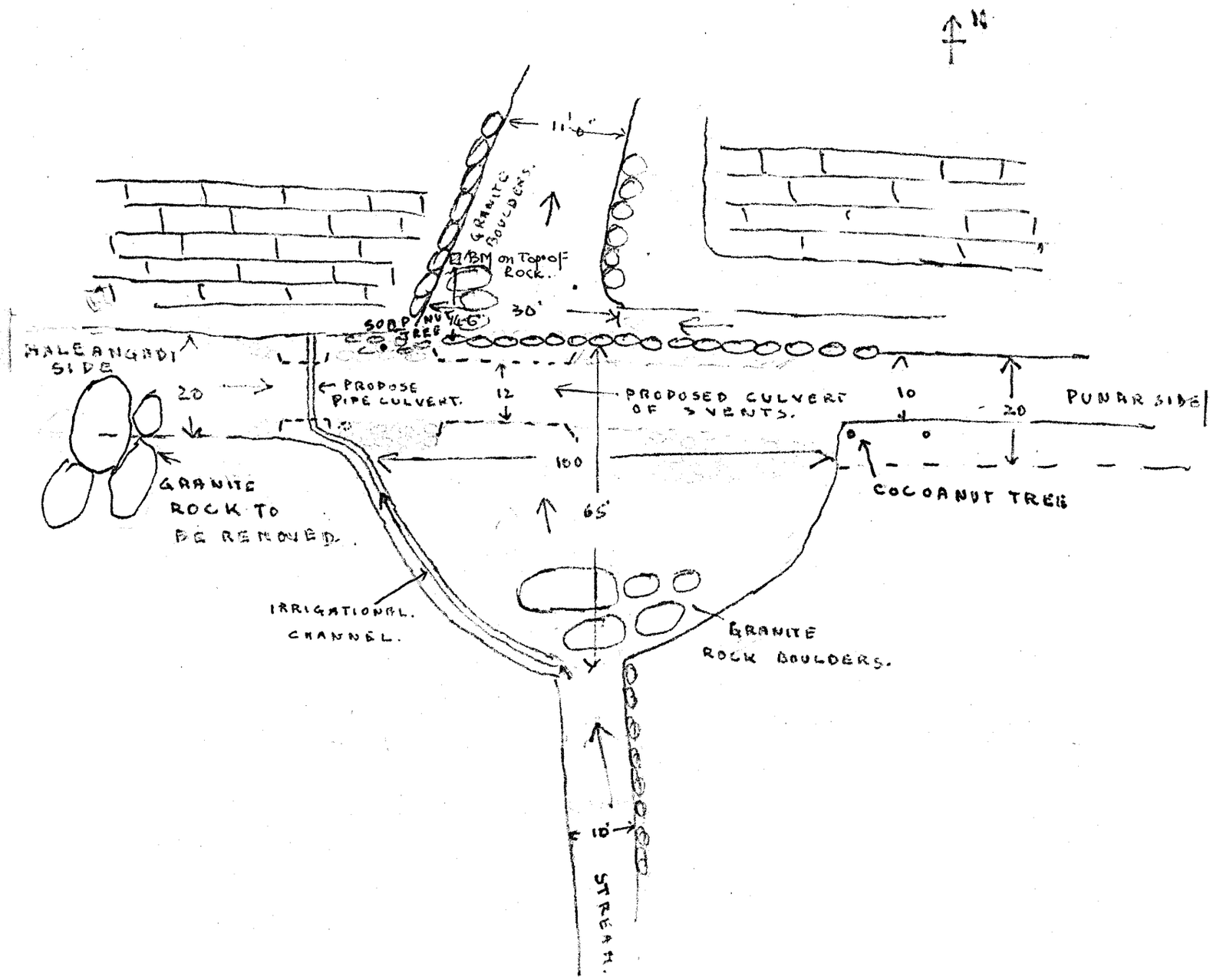
OF PROPOSED CULVERT

AT PAKSHIKERE

ON HALEANGADI – PUNAR

VILLAGE ROAD

NOT TO SCALE



Bhagwandas Rao
J.E. (E.P.S.K) 14-12-57

(6)

DETAILED ESTIMATE. 421,104—17-11-52. C.F. 150 (1).

District Construction of 2'0 vent- slab Culvert (skew) at - Taluk (Hume pipe change to slab culvert.)

Village and Survey o/l of Palcshitur road. — Date and cost of original construction

Name and number of work — Date and cost of last repairs

Details of work.	Number.	Measurement in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1) Earth work excavation in all kinds of soil requiring blasting						
Abutments	2	24-6	2-0	2-0	196	
Corners	2	1-6	1-6	2-0	5	
"	2	2-0	2-0	2-0	8	
			2			
Extra if necessary			2		91	
					300 cft.	
2) Concrete broken stone in Cement mortar 1:4:8						
Foundation	2	24-6	2-0	1-0	98	
Corners	2	1-6	1-6	1-0	3	
"	2	2-0	2-0	1-0	4	
			2			
					105	0-100 cft
3) Random rubble masonry in Cement mortar 1:4						
Abutment	1x2	24-0	1-6	3-0	216	
Corners	2	1-6	1-0	3-0	7	
"	2	2-0	2-0	3-0	12	
			2			
Parapet	2	6-6	1-0	2-0	26	
Backing for slab	2	24-0	0-9	0-6	18	
Extra if necessary					21	
					300 cft.	
4) Coutstone slab	1	24-0	3-6	0-5	35 cft.	
5) Rough stone dry packing for revetment. revetment.	4	12-0	1-0	5-0	240 cft.	
6) Forming road in embankment for approaches					L.S.	
7) Petty supervision and Contingencies					L.S.	

Details of work.	Number.	Measurement in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
2) Constructing 2'o vent slab Culvert at 4/4					(Fine Quantity to Slab)	
1) Earth work excavation in all Soils - excepting rock requiring blasting						
Foundation	@1	16-0	5-6	1-0	85 cft	100 cft
2) Concrete Broken Stone in Cement mortar 1:4:8						
Foundation	1	16-0	5-6	0-6	44 cft	
3) Random rubble masonry in Cement mortar 1:4						
abutment	2	15-6	1-6	2-0	93	
Parapet	2	5-0	1-6	2-0	30	
Coping	2	5-0	1-0	1-0	10	
Slab bearing	2	15-0	0-6	0-6	8	
					141 cft	140 cft
4) Centaline slab - 3 sides dressed						
Slab	1	15-0	3-6	0-5	22 cft	
5) Petty suspension and Contingencies					Ls.	
) Culvert of 3 spans at 1/4						
1) Earth work excavation	do in Slee				1118 cft	
2) Concrete in C/Sm 1:3:6	do				540 cft	
3) R.R in Cement mortar 1:4	do				1582 cft	
4) Centaline for Slab	do				223.19 cft	
5) Grand stems	do				4 Nos	
6) Rangkotune dry packed	do				1899 cft	
7) Facing road in sub abutment	do				1195 cft	
8) Cuttings				deleted		
9) Petty Contingencies and Contrcs					Ls.	
) Constructing 2'o vent Slab Culvert at 2/0						
(Cogains - 1½ dia pounds at 2/3/8 which is deleted)						
1) Earth work excavation in all Soils excluding rock requiring blasting						
Foundation	1@2	15-6	2-0	2-0	124	
Extras				6	76	
					200 cft	
2) Concrete Broken stone in Cement mortar 1:6:8						
Foundation	2	15-6	2-0	1-0	62 cft	

DETAILED ESTIMATE. 421,104—17-11-52. C.F. 150 (1).

District — Taluk

Village and Survey — Date and cost of original construction

Name and number of work — Date and cost of last repairs

Details of work.	Number.	Measurement in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
3) Random rubble masonry in Cement mortar 1:4 in ~~foundation~~	~~1×2~~	~~15-6~~	~~2-0~~			
Abutments	1×2	15-0	1-6	3-0	135	
Parapet	2	4-6	1-0	2-6	23	
Slab bearing	2	15-0	0-9	0-6	12	
					170 cft	
4) Cut stone for deck slab	1	15-0	3-6	0-9	22 cft	
5) Rough hammer dressed stone for revetment	4	12-0	1-0	5-0	240 cft	
6) Pointing on previous and Castings					45-	
(5) Constructing 2½ dia pipe Culvert at 2/5- — As per sanctioned estimate						
(6) Culvert of 1½ dia pipe at 2/7-8 — Deleted						
(7) Constructing 1½ dia pipe Culvert at 2/8 — Deleted						
(8) Constructing 2-0 dia pipe Culvert at 2/8 — As per sanctioned estimate for ~~Cut~~ 2½ dia pipe Culvert at 0/1						

L. N. Gowda
3/10/53
Asst Engr

Assistant Engineer,
Community Projects,
E. K. MANGALORE.

Sanctioned
28.9.53
Superintending Engineer

Details of work.	Number.	Measurement in feet.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		

Improvements to Halcangady Palestikeri Road.
Construction of Culverts.

Description of work.	Item No	ORIGINAL Estimate Quantity	Rate	Amount	Revised Estimate Quantity	Rate	Amount	More	Less	Explanation of Differences
(1) Constructing a 2' vent slab Culvert at 0/1 (skew 22½° to long)										
Earth work excavation in all soils.	1	200 cft	21.6.0	4.0.0	300 cft	21.60	7.0.0	3		2'-0 Dia pipe Culv
Cement Broken stone in CM 1:4:8.	2	85 cft	97.0.0	82.0.0	110 cft	97.0.0	107.0.0	25		is changed to slab
Random rubble masonry in CM 1:4	3	150 cft	86.8.0	130.0.0	370	86.80	234.0.0	104		Culvert as the Cul
Providing and fixing Hume pipe 2" dia.	4	16 Rft	12.10.0	208.0.0	—	—	—	—	208	is to be laid in st
Cement skew deck slab.	4@	~~35~~	—	—	25 cft	3.9.0	125.0.0	125		for a length of 24
Filling in with excavated earth	5	Ls	—	5.0.0	—	—	—	—	5	hive beam
Providing Skew dry pitching	6	Ls	—	33.0.0	240	31.0.0	75.0.0	42	—	
Unforeseen items	7	Ls.	—	25.0.0	—	—	—		25	
Masonry in approach in embankment	7(a)	—	—	—	Ls.		70.0.0	70		
Safety supervision and Contingencies	8	Ls	—	13.0.0	Ls.	—	22.0.0	9	—	
				500/-			640/-	378	238	
(2) Constructing a Culvert at 1/4										
Earth work excavation in all soils.	1	200	21.6.0	4	100	21.6.0	3	—	1	
Cement broken stone in CM 1:4:8	2	85 cft	97.0.0	82	44	97.0.0	43	—	39	
Random rubble in CM 1:4	3	180	86.8.0	156	140	86.8.0	122	—	34	
Providing and fixing 2' dia Hume pipe	4	22 Rft	12.10.0	278	—	—	—	—	278	
Cement skew deck slab	4@	—	—	—	22 cft	3.9.0	79	79	—	
Filling in with excavated earth	5	Ls	—	5	—	—	—	—	5	
				525			247	79	357	

			Rate.			Rate				
			BF	52·5			247	79	357	
Rough stone dry packing	6	Cs.	—	31	—	—	—	—	31	Being very close to Culvert and there is no [illegible] Road this entire amount deducted
Masonry steps	7	Cs.		25	—	—	—	—	25	
Petty Superstructure Works	8	Cs.		69	Cs	—	13	—	6	
			Total	600			260	79	419	

(3) Culvert of 3 Spans at 1/4

Earth work excavation in all kinds	1	10000	21·6·0	21	1118	21·6·0	27	6	—	as per actuals during execution
Concrete broken stone in CM 1:3:6	2	6000	113·8·0	681	541	113·8·0	614	—	67	
Random rubble in CM 1:4	3	1450	86·8·0	1254	1382	86·8·0	1196	—	58	
Cut stone for slab	4	225	3·9·0	802	223·19	3·9·0	794	—	8	
Guard Stone	5	4 Nos	10·10·0	43	4	10·10·0	43	—	—	
Rough stone dry packing distributed	6	1900	31·0·0	589	1899	31·0·0	589	—	—	
Forming road in embankment	7	12000	35·8·0	426	11925	35·8·0	425	—	1	
Masonry steps c/s work	8	Cs.	—	84	—	—	—	—	84	
Petty Superstructure Works	9	Cs	—	100	Cs	—	112	12	—	
			Total	4000			3500	18	218	

Description of work.	Item No	ORIGINAL Estimate			Revised Estimate			More	less	Explanation of Difference.
		Quantity	Rate	Amount	Quantity	Rate	Amount			
Constructing a 2' dia Culvert (against 1'-0 dia Culvert proposed at 2/7-8)		Culvert at 2/0.			ie (Position changed from 2/5 to 2/0.)					
Earth work excavation in ordinary soil	1	100 cft	21-6-0	2	200	21-6-0	2	—	—	
Concrete Rubble stone in CM 1:4:8	2	60	97-0-0	58	62	97-0-0	61	3	—	
Random rubble in CM system 1:4	3	100	86-8-0	87	170	86-8-0	147	60	—	
Providing and fixing iron pipes	4	16 Rft	4-11-6	76	—	—	—	—	76	
Curtain wall	4(a)	—	—	—	22	3-9-0	79	79	—	
Filling in with excavated earth	5	Ls	—	5	—	—	—	—	5	
Rough stone dry pacing	6	Ls	—	32	240	31-0-0	75	43	—	
Contingencies	7	Ls	—	20	—	—	—	—	20	
Petty supervision and Contrl	8	Ls	—	10	Ls	—	16	6	—	
				290			380	191	101	
Culvert at 2/5. 2'0 dia pipe				—						
As per Sanctioned estimate				600	—	—	600	—	—	

Description of work	No.	ORIGINAL			REVISED			+ or −	Explanation
		Quantity	Rate	Amount	Quantity	Rate	Amount		
(6) Constructing 2' dia stone culvert at 2/7 against 1'6 dia pipe culvert. (The 2'0 dia pipe culvert proposed at 0/1 as shifted to 2/8)									
As per sanctioned estimate									
In Culvert at 2/1		5'00			5'00			—	—
~~General abstract~~									
~~1. Culvert at 0/1~~		~~500~~			~~—~~		~~640~~	~~378~~	~~238~~

22/9/53
Inspector of Works

3/10/53
Asst Engr.
Assistant Engineer,
Community Projects,
S. K. MANGALORE.

GENERAL ABSTRACT.

ESTIMATE FORM—Comparative Statement of Differences.

P.W.D. V-17.

Description of work. (1)	Item No. (2)	Original Estimate. Quantity. (3)	Rate. (4)	Amount. (5)	Revised Estimate. Quantity. (6)	Rate. (7)	Amount. (8)	More. (9)	Less. (10)	Explanation of difference. (11)
			RS.	RS.		RS.	RS.	RS.	RS.	
Culvert at 0/1 (2' cut slab)				500			640	140		2 Nos Culvert changed to slab (26'-0 slabs
" at 0/4 (60 -)				600			260	—	340	2 Nos changed to slab).
Span Culvert at 1/4				4000			3800	—	200	as detailed
Culvert at 2/0 (2' cut slab)				—			380	380		Culvert proposed 2/9-8 is shifted to 3/0 (New Culvert) (viz-2'
" at 2/5 2 dia pipes.				600			600	—	—	no change
Culvert at 2/7-8 (1' dia pipe)				290			—	—	290	Deleted as 2' slab culvert proposed at 2/0
" 2/8 (1' dia pipe)				290			—	—	290	Deleted.
" 2/8 (2' ~~dia pipe slab~~)				~~5~~			500	500		2' dia pipe Culvert proposed at 9/1 shifted to 2/8 (New)
Total ..				6280			6180	1020	1120	
Deduct amount of estimate already sanctioned										
Net amount requiring sanction										

Executive Engineer. 28/9/15

Sanctioned for Rs. (_____) _____ only

L. A. Carson
3/10/15
Asst Engr

in supersession of C.R. No._____ of _____

Assistant Engineer, Community Projects.

Superintendent

32,971—18-4-50.

P.W.D. V-17.

E. No. 36.

Stage of Progress of the work.

CIRCLE—

DIVISION—

DISTRICT—

ESTIMATE FORM—Comparative Statement of Differences.

To accompany the Revised Estimate No. of 19 , for *

* Here enter the name and description of work in full.

(C No 12235/53)

Sub:- Community Projects - Kasaragod South Kanara Area - Communications - Improvements to the Halangady Pakshikere road - Construction of culverts - Revised proposals.

Ref- From the PEO. Mangalore ref No. C 238/52-B dated 9-10-53.

Please see the letter from the PEO. Mangalore at p 5 cf. The PEO has enclosed a report from the AE and a revised estimate for Rs 6180. for the work of Constructing culverts on the Halangady-Pakshikere road. The construction of 6 culverts on this road was sanctioned at a cost of Rs 6280/- in G.O. Ms. 696 Pub (C.P.) dated 18-3-53. It has been since found necessary to Construct the 6 culverts by shifting their ~~Sites~~ slightly positions slightly to suit conditions better. Thus the two culverts sanctioned at 2/7-8 within 50 feet of each other have been merged into one and to discharge the flows of the two together A new culvert is proposed at 2/0. Further two of the culverts at 0/1 and 0/4 have been built of the Covering slab variety, as these has to be Constructed before the ~~receipt~~ pipes could be received. These changes are only for the better and have resulted only in an overall Saving of Rs 100/. Approval of the revised estimate for Rs 6180/- which is less than that sanctioned for Rs 6280/- may not be necessary at this stage. The PEO may however be told that the changes proposed are acceptable and that he may explain the deviations in the Completion report enclosing then the details of the deviations also.

28/10/53

A draft memo is put up for Approval

22.10.53

The above shows that the A.E. is not able to know when a revised Estimate is necessary.

22/10/53

28/10/53

28 Read as Memo No 12235 Public (C.P. Work) 53-2 10/53

Ref:- From the Secy of Kpl Council LA&S Ltr 72043/53B4.1.54

The Construction of six culverts on the road from Halemgudi to Pakshikere was sanctioned in Govt's 896 Agr Public (CA) d 18.3.53 because the road passes through Kannel Panchayat Board area also. Hence the sanction of the Secy of Kpl Council L&BS for the payment of Rs 250 as 1/2 share of contribution. The completion report may be awaited till 8.2.54 as already ordered on the file d 22.12.53

2. The enquiry under at p. 9a/c may be expunged.

Sd/-

For
IP. 1-54.

Ground as Endt No 12235 Agri CPA No 153-3 dated 19.1.54. From the PEO Mangalore C No 238/52-B dated 4.5.54.

Please see the letter from the PEO. Mangalore at p 11c/. He has submitted a completion report in respect of the works sanctioned by G.O at (V). The deviations to use slab culverts instead of pipe culverts, as approved in memo at p 7 c/, have been carried out. But the Completion report need not be accepted on the following grounds.

1) The PEO has not submitted details of the deviations as called for in memo at p 7 c/

2) The arithmetical inaccuracies in the amounts of certain items in the Completion report do not seem to have been checked and corrected

3) The plans originally approved for pipe culverts have not been furnished. These are all the more necessary since 2 of the culverts have not been deviated from

4) The cost of Construction of culverts was sanctioned fully, since the road was being formed by the villagers

of their cost. The PEO has not mentioned whether the roads has been formed. As it is possible to construct culverts even before the roads work is completed and so as to record the fact of the formation of the roads, this information may invariably be called for.

The Completion report may be returned to the PEO. for check and resubmission with the other particulars.

A draft memo is put up for approval.

20/5/54

20/5/54

Forwarded Memo No 12235 Agri D VIII/53-4 dated 20.5.54.

From the PEO Mangalore Ref 238/52 dated 31.5.54.

Agri D VIII

Please see page 2 ICF. The completion report may be sent to the PEO. Draft memo put up may be approved

8.6.54.

8/6/54

Forwarded, Memo No 12235 Agri D VIII/53-5 dated 8.6.54

From the P.E.O., Mangalore, C.No. 238/52-B, dated 2-11-1954

Please see the letter from the PEO. Mangalore at p25 cf. He has stated that the roads work has not yet been completed by the villagers. But the expenditure from C.P. on the culverts was sanctioned fully from C.P. funds on condition that the road is formed by the

p21 cf

p23 cf

p25 cf

beneficiaries. The cost of formation of the road was reported by the PEO as Rs 12 800/-. But only work to the value of Rs 6000/- seems to have been done. As such it is not known how the full amount was paid by the PEO towards the Construction of Culverts. The PEO may be asked to clarify., especially in view of the certificate on contribution prescribed in memo No. 58341 Agri DVII/54-1 dt 9-7-54

The PEO has also stated that the cost of cement ans hume pipes used on this work have not been charged to this work. This is not proper. It is not also proper to have compiled a completion report without including any adjustments for cost of materials used on the work. This also may be got clarified.

Subject to orders, a draft memo is put up for approval

14/11/54

15.11.54

12.11.54

14/11/54

(Issued as Memo No. 4791 RDP VI/54-1 pp 29-30 ✓
dt 16.11.1954]

[From the P.E.O., Mangalore, Rc. 238/52-B pp 1-2
dated 16.5.1955]

Subd. for perusal of p. 31 ✓. The receipt of the report mentioned in para 2 thereof may be awaited till 10/6/55.

2
23/5/55.

23/5/55

23/5/55

From the P.E.O., South Kanara, Ry.B.238/52, dated 24.9.1955.

The Case relates to the rectification of certain defects found in the completion report about the construction of 6 culverts on the Haleangadi Pakshikere road. The defects were pointed out to the P.E.O., Mangalore - vide Memo. No. 12235 Agri. (D VIII)/53-4, dated 20.5.1954 and Memo. No. 2791 Pub (RDP VI)/54-1, dated 16.11.1954. In his letters at pp 31 and 35 c.f., the P.E.O., Mangalore has explained the discrepancies pointed out. No further action seems called for on this. May be lodged and added to G.O. Ms. No. 696, Pub (CP Audit), dated 18.3.1953.

1.10.55

1/10/55